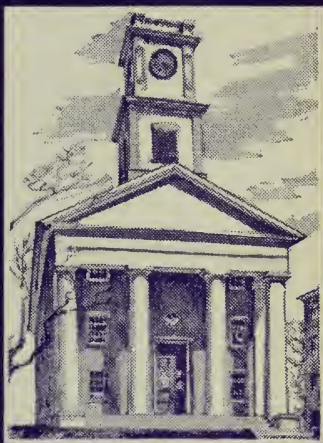


*Amherst College*  
*Bulletin*

ANNUAL CATALOG 1951-52

VOLUME 41 • NUMBER 1 • OCTOBER, 1951



*October*



# AMHERST COLLEGE BULLETIN



*Annual Catalogue*  
*1951-1952*

VOLUME 41

OCTOBER, 1951

NUMBER 1

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VOLUME 41

OCTOBER 1951

NUMBER 1



## Contents

CALENDAR . . . . .	4
COLLEGE CALENDAR . . . . .	5
THE CORPORATION . . . . .	7
OFFICERS OF ADMINISTRATION . . . . .	9
FACULTY . . . . .	10
AMHERST—A LIBERAL COLLEGE . . . . .	19
THE FOLGER SHAKESPEARE LIBRARY . . . . .	21
I. GENERAL INFORMATION . . . . .	23
Admission . . . . .	25
Administration . . . . .	29
Tuition and Fees . . . . .	33
Scholarships and Beneficiary Aid . . . . .	35
Degrees . . . . .	37
U. S. Air Force ROTC Program . . . . .	41
II. COURSES OF INSTRUCTION . . . . .	43
Course Descriptions by Departments . . . . .	45
III. LECTURESHIPS, HONORS, FELLOWSHIPS, PRIZES AND AWARDS . . . . .	113
Lectureships . . . . .	115
Honors . . . . .	116
Fellowships . . . . .	119
Prizes and Awards . . . . .	124
Degrees Conferred, 1950 . . . . .	134
IV. ENROLLMENT . . . . .	141
V. THE ALUMNI ASSOCIATIONS . . . . .	171
INDEX . . . . .	179

1951

## JULY

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## OCTOBER

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## FEBRUARY

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# College Calendar

1951

Sept. 19	<i>Wednesday</i> , 2:00 p.m.	Opening Chapel Service
Sept. 20	<i>Thursday</i> , 8:00 a.m.	Beginning of Classes
Oct. 27	<i>Saturday</i> (a holiday)	Alumni Council Meeting
Nov. 17	<i>Saturday</i> (a holiday)	Williams Football Game at Williamstown
Nov. 21	<i>Wednesday</i> , 12:50 a.m.	Beginning of Thanksgiving Recess
Nov. 26	<i>Monday</i> , 8:00 a.m.	End of Thanksgiving Recess
Dec. 19	<i>Wednesday</i> , 4:00 p.m.	Beginning of Christmas Recess

1952

Jan. 3	<i>Thursday</i> , 8:00 a.m.	End of Christmas Recess
Jan. 18	<i>Friday</i>	First Semester Examination Period
	through	
Jan. 24	<i>Thursday</i>	
Jan. 28	<i>Monday</i> , 8:00 a.m.	Beginning of Second Semester
Mar. 22	<i>Saturday</i> , 11:50 noon	End of Classes before Spring Recess
Mar. 22	<i>Saturday</i> , 1:00 p.m.	Beginning of Fraternity Rushing
Mar. 24	<i>Monday</i> , 12:00 a.m.	Beginning of Spring Recess
Apr. 7	<i>Monday</i> , 8:00 a.m.	End of Spring Recess
May 10	<i>Saturday</i> (a holiday)	Dance Holiday
May 26	<i>Monday</i>	Second Semester Examination Period
	through	
May 31	<i>Saturday</i>	
June 8	<i>Sunday</i>	Commencement

Sept. 17	<i>Wednesday</i> , 2:00 p.m.	Opening Chapel Service
Sept. 18	<i>Thursday</i> , 8:00 a.m.	Beginning of Classes
Oct. 25	<i>Saturday</i> (a holiday)	Wesleyan Football Game at Middletown
Nov. 15	<i>Saturday</i> (a holiday)	Alumni Council Meeting
Nov. 26	<i>Wednesday</i> , 12:50 p.m.	Beginning of Thanksgiving Recess
Dec. 1	<i>Monday</i> , 8:00 a.m.	End of Thanksgiving Recess
Dec. 20	<i>Saturday</i> , 11:50 a.m.	Beginning of Christmas Recess

1953

Jan. 5	<i>Monday</i> , 8:00 a.m.	End of Christmas Recess
Jan. 16	<i>Friday</i>	First Semester Examination Period
	through	
Jan. 22	<i>Thursday</i>	
Jan. 26	<i>Monday</i> , 8:00 a.m.	Beginning of Second Semester
Mar. 21	<i>Saturday</i> , 11:50 a.m.	End of Classes before Spring Recess
Mar. 21	<i>Saturday</i> , 1:00 p.m.	Beginning of Fraternity Rushing
Mar. 23	<i>Monday</i> , 12:00 noon	Beginning of Spring Recess
Apr. 6	<i>Monday</i> , 8:00 a.m.	End of Spring Recess
May 9	<i>Saturday</i> (a holiday)	Dance Holiday
May 25	<i>Monday</i>	Second Semester Examination Period
	through	
May 30	<i>Saturday</i>	
June 7	<i>Sunday</i>	Commencement



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*President of the College*

Amherst, Mass.

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Amherst, Mass.

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St. Louis, Mo.

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† A life trustee who resigns shall be eligible for election by the Board of Trustees as trustee emeritus if in the opinion of the Board of Trustees he shall have rendered outstanding service to the College during his trusteeship. A trustee emeritus shall have all the privileges of a member of the Board except that of voting at the meetings of the Board or of serving as a member of a standing committee. The trustees emeriti shall retain the processional order which they held at the time of their retirement. (Adopted by the Board of Trustees of Amherst College, January 17, 1943.)

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NORMAN LEO CRESSY, M.D. *Associate College Physician*  
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*Dean of the College*

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JOHN RANDOLPH GALT, M.A.

*Assistant Professor of Air Science & Tactics, Capt., USAF*

WILLIAM WALKER GIBSON, JR., M.A.

*Assistant Professor of English*

FRANK LAURENCE GILLESPIE

*Assistant Professor of Physical Education*

ROBERT FREEMAN GROSE, M.S.

*Assistant Professor of Psychology*

DAVID CLENDON HALE, B.A.

*Assistant Professor of Air Science & Tactics, Major, USAF*

ERNEST ALFRED JOHNSON, M.A.

*Assistant Professor of Romance Languages*

MELVIN KRANZBERG, PH.D.

*Assistant Professor of History*

ALBERT PAUL LINNELL, PH.D.

*Assistant Professor of Astronomy*

BENJAMIN FRANKLIN MCCABE, B.A.

*Assistant Professor of Physical Education*

† Absent on leave to Doshisha University, Kyoto, Japan.

JOHN ANDREW MOORE, M.A.	<i>Assistant Professor of Classics and Humanities</i>
SANBORN PARTRIDGE, PH.D.	<i>Assistant Professor of Geology</i>
MURRAY BISBEE PEPPARD, PH.D.	<i>Assistant Professor of German</i>
STEVEN MARTIN ROSTAS, M.ED.	<i>Assistant Professor of Physical Education</i>
EDWARD ELLIOT SINCLAIR, PH.D.	<i>Assistant Professor of Chemistry</i>
DAVID TODD, PH.D.	<i>Assistant Professor of Chemistry</i>
RICHARD EUGENE WILSON, B.A.	<i>Assistant Professor of Physical Education</i>
ROBERT KINGDON BECKWITH, M.S.	<i>Instructor in Music</i>
DENTON WINSLOW CROCKER, M.A.	<i>Instructor in Biology</i>
ALBERT DARY CROWELL, M.S.	<i>Instructor in Physics</i>
WILLIAM HUMISTON DARR, B.A.	<i>Instructor in Fine Arts</i>
BENJAMIN HAILE DE MOTT, M.A.	<i>Instructor in English</i>
ARTHUR PARCEL GARDNER, PH.D.	<i>Instructor in German</i>
DAVID MARTIN GOOD, M.A.	<i>Instructor in Mathematics and Physics</i>
RICHARD MERRILL GOWEN, B.A.	<i>Instructor in Physical Education</i>
HOLLIS WILBURN HUSTON, PH.D.	<i>Instructor in Religion</i>
HERMAN IVENTOSCH, M.A.	<i>Instructor in Spanish</i>
PETER MACFARLANE KEIR, M.P.A.	<i>Instructor in Economics</i>
ROBERT PAUL LEVINE, B.S.	<i>Instructor in Biology</i>
ROBERT OTTO PREYER, M.A.	<i>Instructor in English</i>
HUGH CHARLES PRITCHARD, M.A.	<i>Instructor in Humanities</i>
JEROME ROTHENBERG, M.A.	<i>Instructor in Economics</i>
NATHANIEL McLEAN SAGE, JR., M.S.	<i>Instructor in Geology</i>
WALLACE PANCOAST SCOTT, M.A.	<i>Instructor in History</i>
ROBERT ROSS STALEY, M.A.	<i>Instructor in English and History</i>
KENNETH TODD TAYLOR, S.T.M.	<i>Assistant Chaplain</i>
RICHARD GILMAN VANPETERSILGE	<i>Instructor in Physical Education</i>
JOHN CHARLES WAHLKE, M.A.	<i>Instructor in Political Science</i>
RICHARD LONG WAIDELICH, M.A.	<i>Instructor in English</i>
GEORGE MACGREGOR WALLER, M.A.	<i>Instructor in History</i>
WILLIAM BOLLING WHITESIDE, M.A.	<i>Instructor in History</i>
HENRY THOMAS YOST, JR., PH.D.	<i>Instructor in Biology</i>

## Associate

PHILIP TRUMAN IVES, PH.D.	<i>Research Associate in Biology</i>
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## Faculty Committees

- Committee of Six:* President COLE (Chairman, *ex officio*), Dean PORTER (Secretary, *ex officio*), Professors BROWER, FUNNELL, LAMPRECHT, SOLLER, G. R. TAYLOR, WHITNEY.
- Committee on Educational Policy:* Professors BEEBE, KIDDER, KOESTER (Secretary), V. MORGAN (Chairman), ROZWENG.

*Fellowship Committee:* President COLE (Chairman), Dean PORTER (Secretary), Professors BAIRD, PACKARD, WARNE, WOOD.

*Committee on Admission and Scholarships:* President COLE (Chairman), Dean PORTER, Dean WILSON (Secretary), Dean BACON, Professor BROWN.

*Committee on Intercollegiate Athletics:* President COLE (Chairman), Dean PORTER (Secretary), Professors BEEBE, ECKLEY, LUMLEY, McLAUGHRY, MARSH, RICHARDSON.

*Lecture Committee:* Professors BARBER (Chairman), LINNELL, MARTIN, WAHLKE.

*Library Committee:* Professors BROWER, HAVIGHURST, McKEON (Chairman), LINNELL, MISHKIN, G. R. TAYLOR, WOOD.

## Fellows

- |   |  |
|---|--|
| JOHN HARVEY BEEBE   | Princeton University   |
| <i>John Woodruff Simpson Fellow in Geology</i>  |  |
| EDWARD HOLTON BENSLEY   | Harvard University   |
| <i>John Woodruff Simpson Fellow in Mathematics</i>                                    |  |
| EDWARD DANTE COPPOLA  | Yale University  |
| <i>John Woodruff Simpson Fellow in Medicine</i>                                       |  |
| RICHARD FORD DELIMA   | Harvard University   |
| <i>George A. Plimpton Fellow in Chemistry</i>   |  |
| WILLIAM FREDERICK EDWARDS   | Columbia University  |
| <i>Amherst Memorial Fellow in Philosophy and History</i>                              |  |
| GEORGE NICHOLAS FEHR  | University of Pennsylvania and Lutheran Theological Seminary |
| <i>Amherst Memorial Fellow and Forris Jewett Moore Fellow in History and Theology</i> |  |
| RICHARD FRANCIS FENNO, JR.  | Harvard University   |
| <i>Amherst Memorial Fellow in Political Science</i>                                   |  |
| PETER HAROLD GREENE   | University of Chicago  |
| <i>John Woodruff Simpson Fellow in Biology</i>  |  |
| ANDREW HACKER   | Queen's College, Oxford University                           |
| <i>Amherst Memorial Fellow in Political Science</i>                                   |  |
| CHARLES ADAMS HALE  | University of Minnesota                                      |
| <i>Amherst Memorial Fellow in History</i>   |  |
| ROBERT ELLSWORTH IRELAND  | University of Wisconsin                                      |
| <i>Forris Jewett Moore Fellow in Chemistry</i>  |  |
| BENJAMIN NEWTON KIGHTLINGER   | Harvard University   |
| <i>John Woodruff Simpson Fellow in Medicine</i>                                       |  |
| RUSSELL MONTAGUE LANE   | University of Rochester                                      |
| <i>John Woodruff Simpson Fellow in Medicine</i>                                       |  |
| ALAN VEIT LEVY  | Princeton University   |
| <i>Amherst Memorial Fellow and Roswell Dwight Hitchcock Fellow in Economics</i>       |  |

JOHN WILLIAMS MCGRATH	Yale University
<i>John Woodruff Simpson Fellow in Law</i>	
RICHARD EDWARD MYERS	Harvard University
<i>Amherst Memorial Fellow and Henry P. Field Fellow in History</i>	
RICHARD ELLSWORTH NETTLETON	Brown University
<i>George A. Plimpton Fellow in Physics</i>	
MAX PHILIP PEPPER	University of Pennsylvania
<i>John Woodruff Simpson Fellow in Medicine</i>	
RAYMOND CARL PETERSEN	Brown University
<i>Forris Jewett Moore Fellow in Chemistry</i>	
RUDOLPH VON UNRUH, JR.	University of Rochester
<i>Edward Poole Lay Fellow in Music</i>	
WILLARD TRAVELL WEEKS	Cornell University
<i>John Woodruff Simpson Fellow in Medicine</i>	

## Amherst College Library

NEWTON FELCH McKEON, JR., B.A.

*Director*

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ROBERT STILLMAN FLETCHER, B.A.

*Otis Librarian, Emeritus*

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KATHARINE CONOVER COWLES, B.A.

*Chief Cataloguer*

EBENEZER PORTER DICKINSON

*Head of Circulation*

RUTH MARIE ERIT, B.A.

*Order Librarian*

HUGH CHARLES PRITCHARD, M.A.

*Reference Librarian*

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## The Pratt Museum of Geology

GEORGE WILLIAM BAIN, PH.D.

*Curator*

ALBERT ELMER WOOD, PH.D.

*Associate Curator*

SANBORN PARTRIDGE, PH.D.

*Associate Curator*

NATHANIEL McLEAN SAGE, JR., M.S.

*Associate Curator*

RAYMOND EMIL SCHORTMANN

*Associate Curator*

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## Snell Museum of Physics

THEODORE SOLLER, PH.D.

*Director*

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## Edward Hitchcock Memorial Room

RENA MARY DURKAN

*Curator*

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## Amherst College Wildlife Sanctuary

WALTER CHARLES MARKERT, B.S.

*Director*



## Museum of Fine Arts

CHARLES HILL MORGAN, PH.D.	<i>Director</i>
CHARLES ENSIGN ROGERS, M.A.	<i>Assistant Director</i>
MARGARET CECILIA TOOLE, B.A.	<i>Assistant Curator of Painting</i>

### ADVISORY COMMITTEE ON ACQUISITIONS

LOUISA DRESSER, B.A.	Worcester, Mass. <i>Curator, Worcester Art Museum</i>
CHARLES HILL MORGAN, PH.D.	Amherst, Mass. <i>Professor of Fine Arts on the William R. Mead Foundation</i>
CHARLES HENRY SAWYER, L.H.D.	New Haven, Conn. <i>Dean of the School of Fine Arts, Yale University</i>
JAMES KELLUM SMITH, L.H.D.	New York, N. Y. <i>President of the American Academy in Rome</i>
FRANCIS HENRY TAYLOR, L.H.D.	New York, N. Y. <i>Director of the Metropolitan Museum of Art</i>
CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D.	Amherst, Mass. <i>President of the College, ex-officio</i>

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## Kirby Memorial Theatre

FAYETTE CURTIS CANFIELD, B.A.	<i>Director</i>
CHARLES ENSIGN ROGERS, M.A.	<i>Designer</i>
RALPH CLELAND MCGOUN, JR., M.A.	<i>Technical Director</i>

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## Advisory Committee on Charitable Fund Awards

EDWIN BRADFORD ROBINSON, D.D.	Holyoke, Mass.
FRANK LEAROYD BOYDEN, L.H.D., LL.D.	Deerfield, Mass.





## Amherst—A Liberal College

The doors of Amherst College were first opened to students in 1821. Planned by a group of devout men who felt the need for an institution in western Massachusetts which would train "indigent young men of piety and talents" for the Congregational ministry, the College was founded through many gifts—large and small—of land, money, materials, and labor contributed by generous residents of Amherst and surrounding communities. Zephaniah Swift Moore, President of Williams College, answered the trustees' call to become Amherst's first president. After considerable discussion and over formidable opposition, in 1825 the Massachusetts legislature granted a charter authorizing the College to award the bachelor of arts degree.

Men and times have changed in the century and a quarter since Amherst's founding. While most of its early students were residents of the northeastern area of the country, today they come from almost every state in the nation and from many foreign lands. Its physical plant and resources now make the College one of the most fully equipped institutions of its kind in the country. Classrooms, laboratories, libraries, museums, dormitories, and athletic and recreational equipment provide each undergraduate with adequate facilities for study, leisure, and healthy living. Scholarship funds have been accumulated so that no worthy student need be denied the experience of an Amherst education through lack of money. But despite growth and change, Amherst still subscribes to the basic ideals and principles of its founders.

Amherst was founded as a small college, and so it intends to continue. It has no wish for a greater enrollment. It views its mission now, as it did a hundred and thirty years ago, to be that of an institution devoted to the individual student and his development. Though enrollment has increased from forty-seven undergraduates in Amherst's first year to a norm of a thousand today, by contemporary standards the College is still small. The ratio of teachers to students has been maintained at about one to ten.

Amherst has ever been and desires to remain a college of the liberal arts. Sciences, so necessary to an understanding of man and his environment, have been added to the curriculum, but always as part of a broad liberal education. A century ago the great majority of its students entered the ministry or followed a profession; today about fifty percent of Amherst's graduates go directly into business. Thorough preparation for many fields of graduate study is offered, but Amherst does not permit narrow, vocational subjects in any of its departments.

Amherst's faculty has always been one of its greatest sources of strength. Its members have been famous as teachers and distinguished as scholars.

They are interested in growth outside as well as inside the classroom. While they may be involved in laboratory research or in the publication of books, they are at the same time an understanding, interested, friendly group of men to whom a student may turn for academic or personal guidance.

A sound key to the quality of a college's educational program lies in the record its graduates have made. Amherst is proud of the achievements of its sons: many have become clergymen, college presidents and scholars, business executives, journalists, and statesmen of high reputation. In government, for example, there have been a considerable number of Amherst men of national stature—a President of the United States, a Chief Justice of the Supreme Court, three speakers of the House of Representatives, Ambassadors to foreign states, a President of the International Bank, a Director of the Office of Defense Transportation. The most recent study of College graduates appearing in *Who's Who* showed Amherst second among American colleges in the percentage of alumni listed.

Though Amherst is proud of its heritage, it prefers to emphasize the importance of the present and to look forward toward the future. Today's students will be tomorrow's leaders. Amherst feels that its curriculum in the liberal arts and its supplementary facilities for the undergraduate's all-around development offer young men a sound, purposeful education for life.

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The corporate name of the college is "The Trustees of Amherst College."

The general government of the College is vested in the Board of Trustees. Its immediate direction is vested in the Faculty, who are empowered by the Trustees to determine the topics and order and method of study, and to make such rules as may be deemed necessary for the best regulation of the College.

A list of the Presidents of the College, with their terms of service, follows:

REV. ZEPHANIAH SWIFT MOORE, D.D.....	1821-1823
REV. HEMAN HUMPHREY, D.D.....	1823-1845
REV. EDWARD HITCHCOCK, D.D., LL.D.....	1845-1854
REV. WILLIAM AUGUSTUS STEARNS, D.D., LL.D.....	1854-1876
REV. JULIUS HAWLEY SEELYE, D.D., LL.D.....	1876-1890
MERRILL EDWARDS GATES, PH.D., LL.D., L.H.D.....	1890-1899
REV. GEORGE HARRIS, D.D., LL.D.....	1899-1912
ALEXANDER MEIKLEJOHN, PH.D., LL.D.....	1912-1924
GEORGE DANIEL OLDS, LL.D.....	1924-1927
ARTHUR STANLEY PEASE, PH.D., LL.D.....	1927-1932
STANLEY KING, LL.D.....	1932-1946
CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D...	1946-

## The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Memorial Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than \$2,000,000. Its endowment now stands at about \$7,000,000, and its collections are valued at over \$2,500,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are: Private Studies for the use of visiting scholars; the Cataloguing and Bibliographical Room; the Photographic Laboratory; and a Wardrobe for theatrical costumes. On the third floor are stored the art collections and other museum material.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of English history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library will exploit other fields as well. Efforts will be made to expand it as an efficient laboratory of research and investigation. Aid and encouragement will be given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. It is further intended that the Library will develop the reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the FOLGER'S public rooms.

## FOLGER LIBRARY OFFICERS

LOUIS BOOKER WRIGHT, PH.D., LITT.D.	<i>Director</i>
JAMES GILMER McMANAWAY, PH.D.	<i>Consultant in Bibliographical Research</i>
GILES EDWIN DAWSON, PH.D.	<i>Curator of Books and Manuscripts</i>
EDWIN ELIOTT WILLOUGHBY, PH.D., LITT.D.	<i>Chief Bibliographer</i>
PAUL SHANER DUNKIN, B.S.L.S., PH.G.	<i>Head Cataloguer</i>

## TRUSTEE COMMITTEE

EUSTACE SELIGMAN, LL.B., <i>Chairman</i>
CHARLES WOOLSEY COLE, PH.D., SC.D., L.H.D., LITT.D., LL.D., <i>ex officio</i>
ARTHUR FAIRBANKS ELLS, LL.D., <i>ex officio</i>
WILLS TAYLOR ENGLE
FREDERICK SAYWARD FALES, B.A.
JOHN JAY McCLOY, LL.D.
FRANCIS TAYLOR PEARSONS PLIMPTON, LL.B.
WILLARD LONG THORP, LL.D.
PAUL DYESS WEATHERS, M.B.A.

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# I

## *General Information*

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# Admission

## GENERAL STATEMENT

Admission to Amherst College is competitive. The College attempts to select for admission those applicants who seem best qualified to benefit from the opportunities offered by an Amherst education. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school, (2) results of the College Entrance Examination Board Scholastic Aptitude and Achievement Tests, (3) the recommendation of the high school principal or headmaster, (4) evidence of a willingness to work, (5) the character, health, and extra curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

## HOW AND WHEN TO APPLY FOR ADMISSION

*Correspondence regarding admission to the freshman class should be addressed to the Director of Admission, Amherst College, Amherst, Massachusetts.* Each applicant for admission to the freshman class must file a formal application with the Director of Admission, preferably before March 1 of the year in which he expects to be admitted. Under certain circumstances, later applications will be considered. The formal application should be accompanied by a check or money order for \$5.00 made payable to *The Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

A preliminary application may be filed at any time prior to the applicant's senior year. Once this preliminary application has been filed and acknowledged, the College assumes the responsibility of forwarding all formal application forms at the proper time. No priority is given to early applications.

Entering students are admitted only at the beginning of the regular college year in September.

## INTERVIEW HOURS—ADMISSION OFFICE

The Admission Office is open on weekdays from 8:30 a.m. until 12:30 p.m. and 1:30 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until



12:30 p.m., but from June 24, until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays.

#### RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years or, if possible, 3 years of one
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics, and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Director of Admission.

Students who are planning careers in medicine, engineering or the scientific professions should include in their secondary school programs at least two years of French or German, trigonometry, physics, and chemistry. Students thinking of engineering should also include a course in solid geometry.

#### SCHOLASTIC APTITUDE AND ACHIEVEMENT TESTS

All applicants for admission to the freshman class at Amherst are required to take certain tests given by the College Entrance Examination Board. Information on these tests may be obtained by writing the Amherst Admission Office.

The College Entrance Examination Board Tests are given several times a year. Applicants who are in their final year of preparatory work are expected to take the tests given in March of each year. Applications for these examinations must be filed with the College Entrance Examination



Board, Post Office Box 592, Princeton, New Jersey, at least a month prior to the date of the examination.

Information about these tests, location of examination centers, fees, etc., may be obtained by writing the College Entrance Examination Board, Box 592, Princeton, New Jersey.

### REGENTS EXAMINATIONS

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the Scholastic Aptitude and Achievement Tests given by the College Entrance Examination Board.

### ADMISSION FROM OTHER COLLEGES OR INSTITUTIONS OF COLLEGIATE RANK

*Correspondence concerning admission of transfers should be addressed to C. Scott Porter, Dean.*

To be eligible for transfer the candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank, and his general average at the institution he is leaving must correspond to or be better than the Amherst diploma average of seventy per cent.
3. He must present a statement of honorable dismissal.

Candidates for admission by transfer are admitted in September only.

Candidates should note that, in general, only students with a "B" average or better will be accepted for admission as transfers, and should further note that not more than ten transfers will be admitted to Amherst in September of 1951.

### SPECIAL BOOKLET

A descriptive booklet entitled *This Is Amherst* may be had upon application to the *Director of Admission*.

### COOPERATIVE ENGINEERING-SCIENCE PROGRAM WITH MASSACHUSETTS INSTITUTE OF TECHNOLOGY

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College has entered into a

cooperative arrangement with the Massachusetts Institute of Technology. Under this arrangement, and by properly planning his studies, a student of high standing may pursue a combined five years' program in which the first three years are spent at Amherst College and the last two at the Institute, leading to the degree of Bachelor of Arts from the College and to that of Bachelor of Science from the Institute upon completion of the combined course.

# Administration

## TERMS AND VACATIONS

The college year 1951-1952 includes two regular semesters of sixteen weeks each. In the fall semester there is a Thanksgiving recess of approximately five days, and a Christmas vacation of two weeks; and in the spring semester, a vacation of two weeks.

## ATTENDANCE AT COLLEGE EXERCISES

*The officer in general charge of matters concerning attendance at college exercises is the Dean of the College.*

Students are expected to attend promptly all classes and other prescribed exercises in the courses in which they are registered. Absences for certain recognized reasons are normally excused, and a reasonable number of unexcused absences is provided to cover other situations. These unexcused absences are intended primarily for use in minor emergencies and should be used with discretion.

Any student not on the Dean's List who takes more than the allowed number of unexcused absences from any class for any reason whatever is warned once by the Dean that he has taken an excessive number of absences. If he is absent again after such a warning, his credit in the course may be reduced or he may be dropped from the course.

All official college vacations and holidays are announced on the College Calendar appearing on page 5 of this catalogue.

Morning chapel services are conducted Monday, Tuesday, Thursday and Friday mornings. All students are required to attend one-half of the chapel services each week.

## STUDENT DISCIPLINE

*The officer in general charge of student discipline and conduct is the Dean of the College.*

Conduct befitting a gentleman is expected at all times of students at Amherst College. It is assumed that undergraduates will understand what constitutes gentlemanly conduct without specific regulations forbidding particular actions.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without assigning any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

## RECORDS AND REPORTS

*The officer in charge of records and reports is the Recorder of the College.*

Reports of standing are sent to parents or guardians at the end of each term. Rank in each subject is reported as follows:

A, 90-100%; B, 80-89%; C, 70-79%; D, 60-69%; E, 50-59%; F, below 50%. The passing grade in each individual course is 60%, and an average grade of at least 70% is required for a degree.

## ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. Board while students are hospitalized under the college health plan is included in the comprehensive fee.

## HEALTH AND PHYSICAL DEVELOPMENT

*The officer having general supervision of student health and physical development is the College Physician.*

The College Physician and his associates are members of the Department of Hygiene and Physical Education. They hold consulting hours twice daily at the Student Health Office in the Gymnasium. They keep themselves acquainted with the health of the students and provide for their proper treatment if ill. Every student is given a physical examination soon after his arrival and is advised as to his health and physical efficiency. No student will be admitted to Amherst College who has not been successfully vaccinated or who is unwilling to submit to such vaccination by the College Physician within three months after admission.

The College maintains an infirmary under the direction of the College Physician and has a consulting staff comprising surgeons, internists, and various specialists who are called by the College Physician in cases of serious illness.

A Health Fee of \$15 per semester is charged to all students. This entitles the student to medical and nursing care at the College Infirmary, as well as hospitalization in Northampton or Springfield, and the services of consultants, when recommended by the College Physician, up to a maximum of \$500.00 for any one student in a college year. The College limits its responsibility to illnesses occurring while college is in session,

including the expenses of medical treatment and hospitalization due to accidents on the athletic field or in connection with the ordinary and general procedures of the College. In the case of injuries from accidents of motor vehicles, trains, or airplanes either in traveling to or from Amherst or while resident in Amherst, the College's responsibility for medical and hospital expenses is limited to the services of the College Physician, the services of the Health Office, and care in the College Infirmary for a period not exceeding ten days. In such cases the College will not accept responsibility for medical or surgical bills of consultants, special nursing, or hospitalization in outside hospitals. The cost of prescription medication, glasses, and routine dentistry is not covered by the Health Fee.

Students or their parents are, of course, free to select consultants, surgeons, or hospitals of their own choice, but in such cases the fees of the physicians, surgeons, nurses, hospitalization, and incidental fees are not paid by the College.

In the cases of students who have served in the armed forces of the United States, the College's responsibility is limited to illnesses and accidents of a nature covered by its responsibilities to its regular civilian students. Expenses for illnesses arising in whole or in part from previous service in the armed forces are not covered. The decisions of the College Physician as to what expenses will be met by the College shall be final.

A student is entitled to no further health service after withdrawal or dismissal from college.

Parents are notified by mail of all infirmary admissions unless the illness is thought of sufficient severity to warrant direct communication by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President will assume responsibility for the authorization of operation.

Students who are unable to attend classes because of illness are required to go to the infirmary unless living with their families in Amherst or vicinity. Sick excuses are given only for such time as is spent either in the infirmary or, if living with their families, under a physician's care.

The College Infirmary, built in 1938, is located on the campus, is of fireproof construction, and is designed in accordance with the best modern practice. It has a normal capacity of nineteen beds, and an emergency capacity of forty beds. It contains a lounge room with a selected library and two solaria for convalescing students, an operating room for minor surgical cases, a laboratory, and an isolation ward for the treatment of infectious diseases.

#### OCCUPATIONAL GUIDANCE

In liberal arts colleges such as Amherst, where few studies are of direct occupational significance, it is natural that many undergraduates find

their most perplexing problem that of making a proper choice of a life career. To help undergraduates solve this problem, the College offers an occupational guidance program. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job, and (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world.

Amherst men have little difficulty in finding jobs. Rather the problem is to find work which offers the individual a happy outlet for his own particular talents, work which promises an achievable goal. The undergraduate who participates in this voluntary program will find himself better prepared to make a wise vocational choice and better equipped to face the business world.



# Tuition and Fees

*The officer having general supervision of the collection of Tuition and Fees is the Comptroller.*

## PAYMENT OF BILLS

Upon notification of admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$50 which will be credited in full on the first term bill.

College bills are payable at the beginning of each semester, the final date for payment being the Saturday prior to the first day of classes. Bills are payable at the office of the Comptroller.

Approximately two weeks before the due date bills are mailed to the students' parents. These bills may be paid by mail or in person. In either case the student's identification card, needed to secure course cards and for admission to the dining hall, to athletic and other activities, is obtainable only by calling in person at the Comptroller's office.

## COMPREHENSIVE FEE

A comprehensive fee is charged including tuition, room and board, amounting to \$607.50 per semester.

## OTHER CHARGES

The charge for tuition for candidates for the degree Master of Arts is \$600.

For extra courses taken to remove delinquencies incurred at Amherst, there will be a charge of \$80 per semester for each four-hour course, \$60 per semester for each three-hour course, \$40 per semester for each two-hour course, and \$20 per semester for required Public Speaking and any other one-hour course. For delinquencies in Physical Education a charge of \$20 will be levied during each semester following sophomore year until the delinquency is removed.

*Application Fee.* The candidate's formal application should be accompanied by a \$5.00 application fee in check or money order made payable to The Trustees of Amherst College.

*Guarantee Deposit.* \$15.00 will be charged on the first semester bill of each entering student, refundable at the end of his college course, less any unpaid charges for breakage, lost equipment, library fees, etc.

*Health Fee.* \$15.00 per semester covers infirmary and medical care as stated on pages 30 and 31.

*Intercollegiate Athletics Fee.* \$12.50 per semester is charged all students

for the support of intercollegiate athletics. Of this, \$5.00 covers a season ticket to intercollegiate athletic contests, which is subject to the federal admission tax of \$1.00. Thus, the total charge is \$13.50 including federal tax.

*Masquers Fee.* 75¢ plus 15¢ federal admission tax, is charged each semester for the support of and admission to Masquers performances.

*Student Activities Tax.* \$10.45 per semester. This tax, determined each year by the Student Council acting as the representative of the student body, is collected by the College from each student, and distributed to the various participating undergraduate organizations as set forth in the Student Handbook.

*Degree Fee.* Every member of the senior class is charged a Degree Fee of \$7.00 at the beginning of his final term. This fee is also payable by candidates for the degree Master of Arts.

Changes in course elections, laboratory breakage, etc., involve nominal fees payable when incurred.

#### SUMMARY OF EXPENSES

It will be noted that in addition to the comprehensive fee for each term there will be a few small fees billed by the College. Beyond this will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items, all of which will vary greatly with the individual but will probably range from fifty to one hundred dollars per semester.



# Scholarships and Beneficiary Aid

*The officer directly in charge of the administration of scholarships and beneficiary aid is the Dean of the College.*

The beneficiary funds of the College aggregate over \$1,300,000. The income of these funds is distributed annually among students of high character and superior scholastic ability who need pecuniary aid.

## SCHOLARSHIPS FOR THE THREE UPPER CLASSES

Applicants for scholarships, or for renewal of scholarships, from the three upper classes must file at the Dean's office, on or before May 1st, an account of their income and expenditures for the preceding year, and an estimate of their income and expenditures for the following year.

As a minimum scholastic requirement, applicants for scholarships from the three upper classes must pass all of their courses of the preceding year with an average of at least seventy-five per cent.

## SCHOLARSHIPS FOR INCOMING STUDENTS

More than forty scholarships are awarded annually to applicants for admission to college who are in need of financial aid and who meet in full the entrance requirements. These scholarships range from \$250 to \$1000. They are awarded for the first term in residence and entitle the recipient to a credit on the first bill for tuition. The continuation of each scholarship for the following term depends upon the student's passing all of his courses of his first term with an average of at least seventy-five per cent, and, when granted, involves a credit on the next term bill. All candidates for these scholarships must be candidates for admission and must take the Scholastic Aptitude Test and Achievement Test, given by the College Entrance Examination Board. Scholarship applications must be made before March 1.

## SCHOLARSHIP FUNDS

Throughout the whole history of the College funds have been given or bequeathed, the incomes of which are to be used for the assistance of worthy and needy students. A few of these funds are restricted to candidates for the ministry and a few of them are restricted by other factors, such as the geographical location of the home of the applicant. In a few cases it is stipulated that the award from a particular fund shall be made to a particularly designated student. For the most part, however, the income of these funds may be awarded as the College sees fit. Three State

Scholarships of full tuition are awarded annually to qualified residents of Massachusetts.

#### RESIDENTS OF AMHERST

Free tuition may be granted at the discretion of The Trustees of Amherst College to applicants for admission who can satisfy in full the entrance requirements for Amherst College, who have been residents of Amherst for three years before the time of admission to college, and whose parents have also been residents of Amherst for three years. The grants of free tuition are to be continued throughout the college course, provided the students concerned satisfy the scholastic requirements of the College, conform to its regulations, and the parents of the students concerned continue to live in Amherst.

#### STUDENT LOAN FUND

Through the liberality of friends of the College, provision is made for loans of a limited amount to the few students in the later years of the course, at a low rate of interest, upon notes to be paid in subsequent years. In accordance with the conditions imposed by the donors of the Loan Fund, its use is limited to students in good scholastic standing whose habits of expenditure are economical. Application blanks may be obtained at the Treasurer's office.

# Degrees

## MASTER OF ARTS

The Master of Arts degree is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean.

### REQUIREMENTS FOR MASTER OF ARTS DEGREE

To become a candidate for the Master of Arts degree, students are expected to have at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence in Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

## BACHELOR OF ARTS

The degree Bachelor of Arts is conferred upon students of Amherst College who have satisfactorily met the requirements prescribed for that degree. The plan of studies leading to the degree Bachelor of Arts is arranged on a basis of the equivalent of an eight-semester course to be pursued by students in residence at the College.

The Bachelor of Arts degree *cum laude*, *magna cum laude* or *summa cum laude* (Degree with Honors), is awarded to students who have successfully completed an approved program of honors work with a department or group.

To other students who have satisfactorily met the requirements the degree Bachelor of Arts *rite* is awarded.

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

The degree Bachelor of Arts is awarded to students who complete a minimum of one hundred and twenty credit hours, of which at least sixty must be completed in the freshman and sophomore years, and at least

sixty in the junior and senior years; who in freshman and sophomore years complete three two-year sequence courses in natural science, social science, and English-Humanities; who in junior and senior years take at least fifteen credit hours outside the division in which they are majoring; and who complete certain prescribed work in public speaking and physical education.

Candidates must have no deficiencies in the work of any year; must satisfy the language requirement in French, German, Italian, Russian, Spanish, Latin or Greek; must attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed in another institution.

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore year. No year without a course in the major may intervene between its beginning and its end. Each department decides whether a freshman course in a department shall count toward its major.

The major can be met in accordance with either of two plans:

*Plan A:* Not less than twenty-two credit hours must be within the department. Not more than eight credit hours may be taken in related fields approved by the department.

*Plan B:* Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Renaissance Studies, may be made with the consent of the several departments concerned and of the Dean.

### LANGUAGE REQUIREMENTS

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language in an oral examination to be given to freshmen at the beginning of the college year.

2. After entrance, by passing course 5, or by passing reading and aural comprehension examinations to be given at the end of course 3.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.
2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

#### DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the Commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such award the Faculty will take into account the following factors. (1) Candidates must have a minimum college average of 80 to be eligible to be considered for the degree *cum laude*, of 86 for the degree *magna cum laude*, and of 90 for the degree *summa cum laude*. (2) Candidates must receive the recommendation for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

A student is expected to have a general average of at least eighty percent at the time he is accepted as a candidate for honors in a department or group. However, in exceptional cases, if the department concerned and the Dean approve, a student whose average is below eighty percent may become a candidate for the degree with honors. Such a student, however, must meet the same requirements for the degree with honors at the end of his course as a student who had an average of eighty percent at the time he was accepted as a candidate for honors.

A candidate for a degree with honors may be permitted, at the discretion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses. In addition, in the case of a candidate for a degree with honors, the departmental representative is empowered to waive the requirement concerning the number of credit hours which must be taken outside of the division of the major during the junior and senior years.

THE AMHERST CURRICULUM  
1951-1952

DIVISION I <i>Language Literature and Arts</i>	DIVISION II <i>Social Studies and Philosophy</i>	DIVISION III <i>Mathematics and Natural Sciences</i>
Dramatic Arts English Fine Arts French German Greek Humanities Italian Latin Music Public Speaking Spanish	American Studies Economics Education History Legal Studies Philosophy Political Science Psychology Religion	Astronomy Biology Chemistry Cryptography Geology Mathematics Physics Science



## U. S. Air Force Reserve Officers' Training Corps

This program is optional for incoming freshmen who meet the following requirements: (1) More than 14 and less than 23 years of age at time of initial enrollment; (2) Citizen of the United States; (3) A record free from conviction by any civil court for other than a minor traffic violation; (4) Pass a physical examination which qualifies the individual for duty as a reserve officer in the United States Air Force.

The AF ROTC program is divided into basic and advanced courses of two years each, the basic being conducted during the freshman and sophomore years and the advanced during the junior and senior years. The ultimate objective of the program is to commission qualified students in the Air Force Reserve upon their graduation from Amherst.

The first year basic course consists of World Political Geography and Leadership, Drill, and Exercise of Command for a total of 90 hours. World Political Geography is presented throughout the academic year and averages two contact hours per week. The drill requirement is met through student participation for two hours per week in the first eight weeks of the first semester and the last eight weeks of the second semester. (No drill will be conducted during the winter months.)

The second year basic course consists of Air Power Concepts, Personal Maintenance, and Leadership, Drill, and Exercise of Command for a total of 90 hours. The drill requirement is met in the same manner as for the first year basic, above, and the other subjects are conducted through two regularly scheduled contact hours per week throughout the academic year.

The College allows two credits per semester for students participating in the basic courses.

With the advanced course comes another selection period when students who have completed the four semesters of basic ROTC are chosen to continue their Air Force education. Selections are made from applications of qualified students; final approval of the PAST (Professor of Air Science & Tactics) and the Dean of the College is necessary before the applicant is finally enrolled.

With the beginning of the junior year, the student is assigned to an *option* commensurate with his academic major, provided he does not enroll for the Flight Operations Specialty which is aimed at future training as pilot, navigator, observer, etc., and which takes physically qualified students regardless of major.

The three options to be offered at Amherst include the above mentioned Flight Operations in addition to Administration and Logistics and General Technical. Students in language, literature, arts, social studies, and philos-



ophy would normally take Administration and Logistics while students in mathematics and sciences would be assigned to the General Technical group.

The options with their aims in terms of individual assignments in the event of active duty are briefly as follows:

1. Flight Operations: Some type of flight training followed by duty as pilot, observer, etc.
2. Administration and Logistics: Assignments in supply, transportation, administration or other related fields.
3. General Technical: Assignments in Air Force research and development in a field as closely related as possible to academic major.

The advanced course involves 150 hours per academic year which includes option or specialty subjects, general subjects (common to all options), and a continuation of Leadership, Drill, and Exercise of Command with cadets holding higher positions of responsibility in the Amherst Corps of Cadets.

The College allows three credits per semester for students participating in the advanced courses.

All students formally enrolled in the advanced course must attend a six-weeks summer camp between their junior and senior years. The summer camp offers a realistic approach to the Air Force and gives the cadet a practical idea of what future active duty may entail.

Upon graduation from Amherst and completion of the four-year AF ROTC course including summer camp, the student is commissioned as a second lieutenant in the USAF Reserve. Active duty after being commissioned will depend upon the condition of world affairs at that time.

*N.B.:* Enrollment in either the basic or advanced courses is by individual application to the PAST, Amherst College, Amherst, Massachusetts. Freshmen will normally be contacted by mail during the spring or summer preceeding their first year at Amherst.

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## II

### *Courses of Instruction*

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## Courses of Instruction

a. Freshman courses are numbered 1-19; sophomore courses 21-39; and junior and senior courses 41-80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

### *Air Science and Tactics*

Lt. Colonel LANCASTER, Major HALE, Captain BESHARA, Captain GALT,  
M.Sgt. KULAS, M.Sgt. SLEMP, T.Sgt. ROHRBAUGH.

#### AIR SCIENCE IA

2 credit hrs.

World Political Geography, which includes a study of the areas and resources of the various states organized as political units, together with the people who live in these areas. Two class hours per week. *Elective for Freshmen. First semester.*

Leadership, Drill and Exercise of Command, which deals with the Air Force organization of the flight, squadron, group, and wing and the role of the individual in the various positions in the organization. Two hours per week for the first eight weeks of first semester. *Required of all AS I enrollees. First semester.*

#### AIR SCIENCE IB

2 credit hrs.

A continuation of World Political Geography and Leadership, Drill, and Exercise of Command. Same class hour requirements as first semester with two hours of drill per week for the last eight weeks of the second semester. *Requisite, AS IA. Required of all AS I enrollees. Second semester.*

#### AIR SCIENCE IIA

2 credit hrs.

Organization for the Defense of the United States, Maps, Aerial Photographs and Aerial Navigation. Two class hours per week. *Required of all Sophomore AF ROTC enrollees who have completed AS I.*

Leadership, Drill and Exercise of Command with students assuming positions of higher leadership, in the Air Force flight, squadron, group,

and wing. Two hours per week for the first eight weeks of first semester. *Required of all AS II enrollees. First semester. (Omitted 1951-52.)*

#### AIR SCIENCE IIB.

2 credit hrs.

Meteorology, Aerodynamics and Propulsion, Applied Air Power, and Personal Maintenance and a continuation of Leadership, Drill and Exercise of Command, same class hour requirements as first semester with two hours of drill per week for the last eight weeks of the second semester. Requisite, AS IIA. *Required of all AS II enrollees. Second semester. (Omitted 1951-52.)*

### *American Studies*

Professors G. KENNEDY, C. H. MORGAN, TAYLOR, WARNE, and WHICHER;  
Associate Professors ROZWENC and ZIEGLER;  
Messrs. WAHLKE and WALLER.

*Note:* For a major in American Studies: (a) At least two semester courses must be taken from American Studies 43, 44, 45, 47, and at least two semester courses from American Studies 25, 27, 48, 53, 54, 59, 60, 61, 62, 66. (b) American Studies 79 is recommended for all majors who are doing average work or better. (c) Eight semester courses are required for the major, not including American Studies 21, 22. All of these courses may be taken from those listed in (a) and (b) above, but in special cases other courses may be counted toward the major, if approved by the Department.

Honors candidates will conform to the requirements for a major indicated above and are required to include among the eight courses counting toward their major, American Studies 79 and 80. In conjunction with American Studies 80, each candidate will write an original essay on a topic which has been approved by the Department. Early in May of his senior year he will take a comprehensive written and oral examination, the nature of which will be determined by his fields of special concentration.

21, 22. PROBLEMS IN AMERICAN CIVILIZATION. Professors KENNEDY, TAYLOR, WARNE, WHICHER, ROZWENC, and ZIEGLER, and Messrs. WALLER and WAHLKE. 4 credit hrs.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. Six lectures and one two-hour laboratory period every two weeks. *Required for Sophomores. First and second semesters.*

## 25. AMERICAN CONSTITUTIONAL DEVELOPMENT.

4 credit hrs.

Professor ZIEGLER.

A study of leading constitutional principles in the United States as interpreted by the courts. Attention is focussed on a series of problems (due process, commerce, etc.) and the court cases examined and analyzed against the background of history, politics, economics, and personality surrounding them and out of which they grew. Designed for students who desire a non-technical knowledge of the more important federal and state constitutional principles in the United States. (Same course as Political Science 25.) Requisite: Political Science 21. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 27. POLITICAL PARTIES. Mr. WAHLKE.

3 credit hrs.

The role of the people, parties and pressure groups in the politics of American democracy. Special attention to: the basic features of American political parties, with European comparisons and contrasts; the work of politicians, bosses and machines; the running of election campaigns; the character and behavior of the electorate; the competition for power among business, labor, agriculture, and other major organized interests in the community. Alternates with Political Science 71. (Same course as Political Science 27.) Three hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1951-52.)*

## 43. AMERICAN LITERATURE. Professor WHICHER.

4 credit hrs.

A condensed historical survey from the eighteenth century to the present. Anthology selections from about forty authors will be read. Four hours of classroom work per week. (Same course as English 43.) *Elective for Juniors. First semester.*

## 44. AMERICAN LITERATURE. Professor WHICHER.

4 credit hrs.

An extensive reading in the works of three or four American authors. For 1951-52 the authors read will be Franklin, Emerson, and Melville. Four hours of classroom work per week. (Same course as English 44.) *Elective for Juniors. Second semester.*

## 45. AMERICAN ART. Professor C. H. MORGAN.

3 credit hrs.

American architecture, sculpture, and painting in America from the 17th century to the present day. Requisite: Fine Arts 21. (Same course as Fine Arts 45.) Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

## 47S. AMERICAN PHILOSOPHY. Professor KENNEDY.

3 credit hrs.

A study of the modern period in American thought. Reading and discussion of works by Peirce, Royce, James, Santayana, Veblen, Whitehead,

and Dewey. Three class hours per week. Given in alternate years with Philosophy 41. (Same course as Philosophy 47S.) *Elective for Juniors. Second semester.*

48S. AMERICAN ECONOMIC HISTORY. Professor TAYLOR. *4 credit hrs.*

A study of the economic history of the United States with chief emphasis on the period before 1900. One two-hour seminar each week. (Same course as Economics 48S.) Prerequisite or corequisite: Economics 21. Preference will be given to students who have had History 53-54 or History 59-60. *Limited to fifteen students. Elective for Juniors. First semester.*

53. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.

Professor ROZWENG.

*4 credit hrs.*

(Same course as History 53.) Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

54. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.

Professor ROZWENG.

*4 credit hrs.*

(Same course as History 54.) Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

59. AMERICAN POLITICAL HISTORY. Professor ROZWENG.

*4 credit hrs.*

(Same course as History 59.) Four hours of classroom work per week. *Elective for Juniors. First semester.*

60. AMERICAN POLITICAL HISTORY. Professor ROZWENG.

*4 credit hrs.*

(Same course as History 60.) *Elective for Juniors. Second semester.*

61. AMERICAN COLONIAL HISTORY. Mr. WALLER.

*4 credit hrs.*

(Same course as History 61.) *Elective for Juniors. First semester.*

62. AMERICAN DIPLOMATIC HISTORY. Mr. WALLER.

*3 credit hrs.*

(Same course as History 62.) *Elective for Juniors. Second semester.*

66. WESTWARD EXPANSION OF AMERICA. MR. WALLER.

*3 credit hrs.*

The history of the westward expansion of the United States from the Revolution to the twentieth century, tracing the influence of the frontier on the political and economic life of the nation and on the growth of American nationalism. Three hours of classroom work per week. (Same course as History 66.) *Elective for Juniors. Second semester. (Omitted 1951-52.)*

79. TOPICS IN AMERICAN CIVILIZATION.

*4 credit hrs.*

Professors ROZWENG and WHICHER.

A study of selected topics in American history with some attention to the problems of method and historiography. One two-hour session weekly.



Limited to fifteen students. *Elective for Seniors with the consent of the instructor. First semester.*

80. HONORS.

4 credit hrs.

*Elective for Seniors. Second semester.*

## Astronomy

Professor GREEN; Assistant Professor LINNELL

*Note:* A major in astronomy consists of the four courses offered by the Department supplemented by courses in the other sciences and mathematics selected in consultation with the Astronomy Department to fit the needs of the individual students. All students planning to major in astronomy or to be candidates for honors in astronomy should consult with the Department just as early as possible, preferably before electing courses for the sophomore year. Combined majors in astronomy and physics or astronomy and mathematics may be arranged by consultation with Professor Green before the beginning of the second semester of the junior year.

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22. INTRODUCTION TO DESCRIPTIVE AND PHYSICAL ASTRONOMY.

Professor LINNELL.

4 credit hrs.

Physical characteristics and distributions in space of members of the solar system, stars, nebulae, and galactic systems. *Elective for Sophomores.* Four hours of classroom work per week. *Second semester.*

23. INTRODUCTION TO AIR AND SEA NAVIGATION.

4 credit hrs.

Professor GREEN

Four hours of classroom work per week. *Elective for Sophomores. First semester.*

24. NAUTICAL ASTRONOMY, CELESTIAL AND ELECTRONIC NAVIGATION

Professor GREEN

4 credit hrs.

Requisite: Astronomy 21, Astronomy 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

79-80. CONFERENCE COURSES.

4 credit hrs.

Professor GREEN and Professor LINNELL.

The subject matter to be covered in these courses will be arranged to suit the desires of the individual students. Students planning to elect these courses should consult with the Department before the end of the first semester of the junior year. *Elective for Seniors. First and second semesters.*

*Biology*

Professors KIDDER and SCHOTTÉ; Associate Professor WOOD;  
Messrs. CROCKER, LEVINE and YOST.

*Note:* A major in biology will consist of at least six semester courses in biology together with any two courses in chemistry. The course in Evolution of the Earth and Man (Science 23, 24) counts as one semester, and Science 22 counts as one semester of biology toward a major.

A chemistry-biology major requires four semester courses in each of the departments and must include Chemistry 43-44, Science 21 and Science 22 may be counted as semester courses in chemistry and biology respectively, and Science 23, 24 counts as one semester in biology.

A psychology-biology major requires at least four semester courses in each of the departments. Science 23-24 (one semester credit in biology) and Science 22 may be counted as semester courses in biology toward this major.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors in biology must have completed by the beginning of the senior year a minimum of four semester courses in biology; sophomore courses may be counted and the course in Evolution of the Earth and Man (Science 23-24) counts as one semester in biology. Honors candidates must elect Biology 79, 80 and complete by the end of senior year a minimum of eight semester courses in biology.

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an original investigation under the direction of some member of the staff.

In May of his senior year the candidate writes a comprehensive examination on the whole field of biology. He also writes a thesis presenting the results of his research and defends his findings orally before the whole Department.

Recommendations for the various grades of honors will be made on the basis of the comprehensive examination, the value of the original investigation and its defense.

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22. Same Course as Science 22.

4 credit hrs.

23, 24. Same Course as Science 23, 24.

4 credit hrs.

## 25S. GENERAL ZOOLOGY. Mr. CROCKER. 4 credit hrs.

Morphology, classification and general physiology of animals, chiefly invertebrates. Special consideration is given to such general phenomena as interrelation of animals with their environment, parasitism, reproduction, development and evolution. Three hours classroom and four hours laboratory or field work per week. *Elective for Sophomores. Second semester.*

## 28S. GENERAL BOTANY. Mr. YOST. 4 credit hrs.

The structure, physiology and reproduction of plants. Botanical history, ecological adaptation. Three hours classroom and four hours laboratory work per week. *Elective for Sophomores. Second semester. (Alternate years with Biology 30.)*

## 41. COMPARATIVE ANATOMY. Professor WOOD. 4 credit hrs.

A study of the anatomy of vertebrates and a review of vertebrate evolution. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

## 42. EMBRYOLOGY. Professor SCHOTTÉ. 4 credit hrs.

A description of developmental processes in the vertebrates, with an introduction to the physiology of development. Four hours classroom and two hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. Second semester.*

## 43. GENETICS. Mr. LEVINE. 4 credit hrs.

The general principles and techniques of heredity, and their bearings on reproduction and the determination of sex. Breeding experiments in the laboratory. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

## 44. CYTOLOGY. Mr. YOST. 3 credit hrs.

A study of the structure of living organisms with special reference to the nucleus. Cell division is examined in detail, as are the structure and function of the chromosome. The relation of chromosomes to evolution, to sex determination and to cytogenetics. Three lectures and four hours laboratory work per week. *Elective for Juniors. Second semester. (Alternate years with Biology 53S. Omitted 1951-52.)*

45. HISTOLOGY AND MICROSCOPICAL TECHNIQUE. 4 credit hrs.  
Professor SCHOTTÉ

A study of cells, tissues and organs of both invertebrates and vertebrates. The preparation of slides is included in the laboratory. Three hours classroom and four hours laboratory work per week. Requisite: One semester in biology. *Elective for Juniors. First semester. (Alternate years with Biology 47. Omitted 1951-52.)*

## 47. EXPERIMENTAL MORPHOLOGY. Professor SCHOTTÉ. 4 credit hrs.

An experimental analysis of the problems of differentiation of form and structure, including the physiology of embryonic development and studies on regeneration. Three hours classroom and four hours laboratory per week. Requisite: One semester in Biology. *Elective for Juniors. First semester. (Alternate years with Biology 45.)*

50. BIOLOGY OF NATURAL POPULATIONS. 4 credit hrs.  
Mr. LEVINE.

A study of the fundamental processes of evolutionary change in light of population ecology and genetics. Laboratory work will consist of an experimental approach to problems of natural selection, adaptation, and adaptability. Three hours classroom and four hours laboratory work per week. *Elective for Juniors. Second semester.*

## 51. BIOCHEMISTRY. Professor KIDDER. 4 credit hrs.

A study of the fundamental chemical processes of living matter. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology and organic chemistry (which may be taken concurrently). *Elective for Juniors. First semester.*

## 52. CELLULAR PHYSIOLOGY. Mr. YOST. 4 credit hrs.

A study of cellular function in relation to structure, with special emphasis on membranes and enzymes. Three hours classroom and four hours laboratory work per week. Requisite: Biology 51. *Elective for Juniors and Seniors. Second semester.*

## 54. BACTERIOLOGY. Professor PLOUGH. 4 credit hrs.

A study of the bacteria yeasts and molds, their physiological activities and genetic relationships. Three hours classroom and four hours laboratory work per week. Requisite: Two semesters in biology and one course in chemistry. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

## 56. EVOLUTION OF THE VERTEBRATES. Professor WOOD. 4 credit hrs.

The evolution of the vertebrates as shown by the study of fossils; and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Geology 56.) Requisite: Biology 41. *Elective for Juniors. Second semester.*

## 59. RECENT DEVELOPMENTS IN BIOLOGY. The Staff. 2 credit hrs.

Lectures on important trends and achievements in any of the major fields in biology. The subjects vary from year to year. They are chosen because of their general interest or because of their interrelations with

other fields of study. Two lectures per week without laboratory work. No requisite. *Elective for Juniors. First semester.*

79, 80. SEMINAR IN BIOLOGY. The Staff.

4 credit hrs.

The classwork consists of oral summaries and reports on problems of current biological interest. In addition, each student will carry on an individual investigation under some member of the staff. The course is designed for honor candidates, but is open to other advanced students with the consent of the Department. Requisite: Four semester courses in biology. *Elective for Seniors. First and second semesters.*

## Chemistry

Professors BEEBE and WHITNEY;

Associate Professor GRAHAME;

Assistant Professors SINCLAIR and TODD.

*Note:* A major in chemistry must include Chemistry 41, 42, 43, 44, 47, and 48.

A chemistry-biology major requires four semester courses in each of the two departments, and must include Chemistry 43-44. Science 21 and Science 22 may be counted as semester courses in chemistry and biology respectively.

Candidates for the degree with honors in chemistry will attend the chemistry seminar during their junior and senior year, participating in it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members and by students.

In the senior year, candidates will normally enroll in Chemistry 71 or 73, and in Chemistry 80. Individual laboratory problems will be selected by the student in conference with some member of the Department. These may be advanced types of inorganic or organic syntheses, physico-chemical experiments or analyses, or problems for original investigation. Each candidate will write a thesis based upon his reading and laboratory work. He will take a three-hour written examination and a one-week open-book problem examination. Recommendations for the various degrees of honors will be made by the department on the basis of the thesis and the comprehensive examination.

The program for the bachelor's degree with a major in chemistry, as approved by the American Chemical Society, includes Chemistry 48, 50, 71 or 73, 80, and their prerequisites, a reading knowledge of German, one or two semesters of physics beyond the Science 1-2 course, Mathematics 3 and preferably Mathematics 23 or 31-32.



21. Same Course as Science 21. 4 credit hrs.  
Professors BEEBE, WHITNEY, GRAHAME, TODD, and SINCLAIR.

24. INORGANIC AND ANALYTICAL CHEMISTRY. 4 credit hrs.  
Professors BEEBE and TODD.

A study of the chemistry of inorganic substances with special emphasis on ionic equilibria as met in qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Science 21. *Elective for Sophomores. Second semester.*

41. PHYSICAL CHEMISTRY. Professor GRAHAME. 4 credit hrs.

A study of the fundamentals of theoretical chemistry. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24, and Mathematics 3. *Elective for Juniors with the consent of the instructor. First semester.*

42. PHYSICAL CHEMISTRY. Professor GRAHAME. 4 credit hrs.

A continuation of Chemistry 41. Requisite: Chemistry 41. *Elective for Juniors. Second semester.*

43. ORGANIC CHEMISTRY. Professors WHITNEY and TODD. 4 credit hrs.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. The chemistry of the most important functional groups only is studied in this course. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

44. ORGANIC CHEMISTRY. Professors WHITNEY and TODD. 4 credit hrs.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Elective for Juniors. Second semester.*

47. QUANTITATIVE ANALYSIS. Professor SINCLAIR. 2 credit hrs.

The quantitative analysis of inorganic substances with emphasis on volumetric methods. Principles of elementary physical chemistry will be considered and applied. One hour classroom and four hours laboratory work per week. Requisite: Chemistry 24. *Elective for Juniors. First semester.*

48. QUANTITATIVE ANALYSIS. Professor SINCLAIR. 2 credit hrs.

A continuation of Chemistry 47. Requisite: Chemistry 47. *Elective for Juniors. Second semester.*

50. QUANTITATIVE ANALYSIS. Professor BEEBE. 2 credit hrs.

The quantitative analysis of inorganic substances with emphasis on gravimetric methods. One hour classroom and four hours laboratory work per week. Requisite: Chemistry 47. *Elective for Juniors. Second semester.*

## 71. ADVANCED PHYSICAL CHEMISTRY. Professor GRAHAME. 3 credit hrs.

A discussion of selected topics in physical chemistry from the fields of thermodynamics, quantum mechanics, and the nature of the chemical bond. Three class hours per week. Requisite: Chemistry 42. *Elective for Seniors. First semester.*

## 73. QUALITATIVE ORGANIC CHEMISTRY. Professor TODD. 4 credit hrs.

A continuation of the study of organic chemistry, with emphasis on the laboratory identification and characterization of organic compounds. Two hours classroom and six hours laboratory work per week. Requisite: Chemistry 44. *Elective for Seniors. First semester.*

## 76. INORGANIC CHEMISTRY. Professors BEEBE and TODD. 2 credit hrs.

A study of the properties and chemical behavior of inorganic substances with special emphasis on those substances not previously considered in detail. Two hours classroom per week. Requisite: Chemistry 75. *Elective for Seniors. Second semester.*

## 80. HONORS COURSE. The Department. 4 credit hrs.

*Elective for honor candidates, and for others with the consent of the Department. Second semester.*

### Classics

Professor BROWER; Associate Professor KERN; Assistant Professors CLAUSEN and MOORE

*Note:* All courses offered by the Department which are numbered 4 or higher may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1 and 2. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some



Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various optional questions. The award of honors will be determined by the quality of the candidate's work in his courses, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

### *Greek*

1. INTRODUCTION TO THE GREEK LANGUAGE. 4 credit hrs.  
Professor CLAUSEN.

Five class meetings per week. *Elective for Freshmen. First semester.*

2. INTRODUCTION TO GREEK LITERATURE. 4 credit hrs.  
Professor KERN.

Requisite: Greek 1 or its equivalent. Five class meetings per week. *Elective for Freshmen. Second semester.*

3. THE ILIAD. Professor BROWER. 4 credit hrs.

Requisite: Greek 1 and 2 or their equivalent. Five class meetings per week. *Elective for Freshmen. First semester.*

4. THE ODYSSEY; PLATO'S APOLOGY. Professor CLAUSEN. 4 credit hrs.

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; limited to twenty-five students. Second semester.*

5. THE LYRIC POETS; A PLAY OF EURIPIDES. Professor MOORE. 4 credit hrs.

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen; limited to twenty-five students. First semester.*

6. GREEK TRAGEDY. Professor BROWER. 4 credit hrs.

Requisite: Greek 3 or its equivalent. Three class meetings per week. *Elective for Freshmen. Second semester.*

21. GREEK LITERATURE OF THE FIFTH CENTURY. 4 credit hrs.

Requisite: Greek 5 or 6. *Elective for Sophomores; limited to twenty-five students. First semester. (Omitted 1951-52.)*

## 22. GREEK LITERATURE OF THE FIFTH CENTURY. 4 credit hrs.

Requisite: Greek 5 or 6. Three class meetings per week. *Elective for Sophomores; limited to twenty-five students. Second semester. (Omitted 1951-52.)*

## 41, 42. ADVANCED READINGS IN GREEK LITERATURE. 4 credit hrs.

Professors CLAUSEN and MOORE.

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's Republic and Aristotle's Ethics; Pindar, Bacchylides, and Theocritus; Demosthenes and Thucydides; the Greek novelists. Requisite: Greek 6. *Elective for Juniors. First and second semesters.*

## 79, 80. SENIOR HONORS COURSE. 4 credit hrs.

### Latin

## 1, 2. INTRODUCTORY COURSE. PROFESSOR KERN. 4 credit hrs.

Latin grammar; selections from Caesar's Gallic War; select orations of Cicero. Five class meetings per week. *Elective for Freshmen. First and second semesters. (Omitted 1951-52.)*

## 3. INTERMEDIATE COURSE. PROFESSOR KERN. 4 credit hrs.

Review of Latin grammar; selections from Nepos' *Lives* and Cicero's Orations. Requisite: Latin 1-2, or two or three entrance units in Latin. Five class meetings per week. *Elective for Freshmen. First semester.*

## 4. THE AENEID. PROFESSOR KERN. 4 credit hrs.

Requisite: Latin 3, or three entrance units in Latin. Three class meetings per week. *Elective for Freshmen; limited to twenty-five students. Second semester.*

## 5. CICERO'S DE SENECTUTE AND SELECTIONS FROM CATULLUS. 4 credit hrs.

Professors KERN and CLAUSSEN.

Requisite: Latin 4, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; limited to twenty-five students. First semester.*

## 6. HORACE'S ODES AND SELECTIONS FROM PLINY'S LETTERS. 4 credit hrs.

Professors CLAUSEN and KERN.

Requisite: Latin 4 or 5, or four entrance units in Latin. Three class meetings per week. *Elective for Freshmen; limited to twenty-five students. Second semester.*

## 21. PLAUTUS. PROFESSOR KERN. 4 credit hrs.

Requisite: Latin 5 or 6. Four class meetings per week. *Elective for Sophomores. First semester.*

## 22. THE ROMAN HISTORIANS.

4 credit hrs.

Requisite: Latin 5, 6, or 21. Four class meetings per week. *Elective for Sophomores. Second semester. (Omitted 1951-52.)*

## 41, 42. ADVANCED READINGS IN LATIN LITERATURE.

4 credit hrs.

Professors CLAUSEN and KERN.

The authors read in these courses vary from year to year, each course giving a survey of one field of Latin literature; e.g., Roman Satire, Roman Philosophy, Roman Law, Late Latin, Roman Tragedy, etc. (In 1951-1952, Latin 41 will be Lucretius.) Requisite: Latin 21 or 22. Three class meetings per week. *Elective for Juniors; limited to twenty-five students. First and second semesters.*

## 79, 80. SENIOR HONORS COURSE.

4 credit hrs.

*Cryptography*

Professor HOLMES

## 22S. ELEMENTARY CRYPTOGRAPHY AND CRYPTANALYSIS.

3 credit hrs.

Professor HOLMES.

A study of the logical and philological principles involved in the construction and analysis of ciphers and codes. Military uses emphasized. Limited to twenty-five students. *Elective for Sophomores, with preference given to Juniors and Seniors. First semester.*

## 22. ELEMENTARY CRYPTOGRAPHY AND CRYPTANALYSIS.

3 credit hrs.

Professor HOLMES.

Same description as Cryptography 22S. Limited to twenty-five students. *Elective for Sophomores, with reference given to Juniors and Seniors. Second semester.*

*Dramatic Arts*

Professor CANFIELD; Associate Professors MCGOUN and ROGERS.

*Note. Majors:* It should be noted that students must have the permission of the Department to major in Dramatic Arts.

*Required courses:* Humanities 21, 22; Dramatic Arts 43, 44; Dramatic Arts 46; Dramatic Arts 79, 80.

For completion of the required number of courses for the major, students may elect from the following after consultation with the Department: English 23, 24; English 25, 26; English 41; Fine Arts 23, 24; Fine Arts 41; French 29, 43, 44; History 23; Music 46; Psychology 21.

*Honors:* The type of work required will vary in accordance with the special interest of the individual student. All candidates, however, shall be given an examination on the history of the theater. For directing, the candidate shall prepare a detailed and complete prompt-book for a full-length play, together with an analysis and an interpretation of the play and its characters. For designing, candidates shall prepare sketches and detailed plans for a full-length play of a specific period, and a written analysis of the visual problems involved. For playwriting, the candidate shall compose a full-length play.

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21. Same Course as Humanities 21. *4 credit hrs.*

Prerequisite for all other courses in the Department of Dramatic Arts.

22. Same Course as Humanities 22. *4 credit hrs.*

43. DRAMATIC PRODUCTION, A STUDY OF THE ARTS OF THE STAGE.

Professors CANFIELD, ROGERS, and MCGOUN. *3 credit hrs.*

The artistic principles and scientific methods underlying stage production. Directing, acting, scene design, lighting, and costuming considered as instruments of dramatic interpretation. Requisite: Humanities 21. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. DRAMATIC PRODUCTION, A STUDY OF THE ARTS OF THE STAGE.

Professors CANFIELD, ROGERS, and MCGOUN. *3 credit hours.*

A continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

46. MODERN DRAMA. Professor CANFIELD. *3 credit hrs.*

Major dramatists from Ibsen to the present. Intensive reading. Some background material. Requisite: Humanities 21. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. The Department. *4 credit hrs.*

Requisite: Dramatic Arts 43, 46. *Elective for Seniors with the consent of the Department. First semester.*

80. CONFERENCE COURSE. The Department. *4 credit hrs.*

A continuation of Dramatic Arts 79. Requisite: Dramatic Arts 79. *Elective for Seniors. Second semester.*

*Economics*

Professors NELSON, ROSS, TAYLOR, and WARNE;  
Messrs. KEIR and ROTHENBERG.

*Note:* The following courses are required for a major in Economics:

Rite Students: Economics 21, 23, 71b or 71Sb.

Honors Students: Economics 21, 23, 70, 71a, 79, 80.

Candidates for the degree with honors in economics will determine their class program in consultation with the Department. Each candidate must prepare as a part of Economics 79-80 a thesis on a subject approved by the Department. This thesis, together with a written and oral examination at the close of his senior year, will be the principal basis for the award of the degree with honors. The written examination will cover the major fields of economics in which the candidate has taken work. The oral examination will be a defense of the thesis before the Department.

21. AN INTRODUCTION TO ECONOMICS.

4 credit hrs.

Professor NELSON and Messrs. KEIR and ROTHENBERG.

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organizations and control. One lecture and three hours of discussion each week. Prerequisite or corequisite for all other courses in economics. *Elective for Sophomores. First semester.*

21S. AN INTRODUCTION TO ECONOMICS.

4 credit hrs.

Professor NELSON and Mr. ROTHENBERG.

Same description as above. *Elective for Sophomores. Second Semester.*

23S. THE AMERICAN ECONOMY.

4 credit hrs.

Professor NELSON and Mr. KEIR.

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Required of all economics majors and should be taken as soon as possible after Economics 21. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

41-42. LABOR AND COMPARATIVE ECONOMIC SYSTEMS.

3 credit hrs.

Professor WARNE.

Development of the American and foreign labor movements within the framework of divergent economic institutions. The economic and political



aspirations of organized labor. Legislation affecting the status of the worker. International labor organization. Three lectures each week. Prerequisite or corequisite: Economics 21. *Elective for Sophomores. First and second semesters.*

43. MONEY AND BANKING. Mr. KEIR. 4 credit hrs.

A study of money and finance and their relation to the functioning of an economic system, with special emphasis on the effects of monetary and credit policy on employment, production, and prices. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Juniors. First semester.*

44. PUBLIC FINANCE AND FISCAL POLICY. Mr. KEIR. 4 credit hrs.

A study of the taxing, spending, and debt policies of governmental units and their relationships to both the long-run and cyclical behavior of the economic system. Two lectures and two hours of discussion each week. Prerequisite or corequisite: Economics 21. *Elective for Juniors. Second semester.*

45. ECONOMIC STATISTICS. Professor ROSS. 4 credit hrs.

A study of the sources of quantitative economic data, with special emphasis on the application of statistical methods to economic problems. Three lectures and two hours laboratory work each week. Prerequisite or corequisite: Economics 21. *Elective for Juniors; limited to twenty-five students. First semester.*

46. ACCOUNTING. Professor ROSS. 4 credit hrs.

A study of the principles of accounting as related to economic analysis. Attention will be given to the use of accounts by persons and corporations and the application of accounting techniques to the study of national wealth and income. Four hours of classroom work per week. Prerequisite or corequisite: Economics 21. *Elective for Juniors; limited to twenty-five students. Second semester.*

47. INTERNATIONAL ECONOMICS. Professor NELSON. 4 credit hrs.

A study of the inter-relationships among the various national economies, including international trade and monetary and financial relationships. Special emphasis is placed on the objectives and limitations of foreign trade policy in terms of welfare and employment and on the monetary and commercial instruments used since 1914 in the search for international economic stability. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. *Elective for Juniors; limited to fifteen students. First semester.*

## 48S. AMERICAN ECONOMIC HISTORY. PROFESSOR TAYLOR. 4 credit hrs.

A study of the economic history of the United States with chief emphasis on the period before 1900. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. Preference will be given to students who have had History 53-54 or History 59-60. *Elective for Juniors; limited to fifteen students. First semester.*

## 49S. HISTORY OF ECONOMIC THOUGHT. PROFESSOR TAYLOR. 4 credit hrs.

A study of the development of economic thought as reflected in the writings of a limited number of authors, chiefly British and American. Attention will be given to both the classical and the dissenting schools. The writings of such men as Smith, Ricardo, Lauderdale, Jevons, Marshall, Raymond, Henry C. Carey, J. B. Clark, and Veblen will be studied. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. *Elective for Juniors; limited to fifteen students. Second semester.*

## 50. CONTEMPORARY ECONOMIC THEORY. 4 credit hrs.

An introduction to some of the more important modern analytical concepts used in the treatment of economic problems. Two two-hour seminars each week. *Elective for Seniors with the consent of the instructor; limited to fifteen students. Second semester. (Omitted 1951-1952.)*

## 51. EUROPEAN ECONOMIC SYSTEMS. 3 credit hrs.

An introduction to the institutions and problems of non-market economic systems. Major attention will be paid to British and Soviet experience. Three lectures per week. Prerequisite or corequisite: Economics 21. *Elective for Juniors. First semester. (Omitted 1951-52.)*

## 52. ECONOMIC FLUCTUATIONS. MR. ROTHENBERG. 4 credit hrs.

An analysis of the nature and causes of business cycles and of their economic and social effects. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. Prerequisite: Economics 43. *Elective for Seniors; limited to fifteen students. Second semester.*

## 70. JUNIOR HONORS. PROFESSOR WARNE and MR. KEIR. 2 credit hrs.

A study of the methods and techniques of research in economics with attention to the sources of the various types of economic data, and to their interpretation and analysis. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. *Elective for Juniors; limited to fifteen students. Second semester.*

## 71. PROBLEMS IN AMERICAN ECONOMIC POLICY. 3 credit hrs.

Professors NELSON and WARNE.

A study of the process of formulating and executing public economic policy in the United States, based upon an intensive examination of



selected cases. Particular emphasis will be given to the interrelationships of economic, political, philosophical, and other factors that affect public policy determination. One two-hour seminar each week. Prerequisite or corequisite: Economics 21. *Elective for Seniors. First semester.*

There will be two sections of this course, as follows:

71a. Professor NELSON.

This section is limited to fifteen students, is open only to senior candidates for honors in economics, and is required of all candidates for honors in economics. *First semester.*

71b. Professor WARNE.

This section is limited to fifteen students, and is open only to senior economics majors who are not candidates for honors. *First semester. Either Economics 71b or 71Sb is required of all economics majors who are not candidates for honors.*

71Sb. PROBLEMS IN AMERICAN ECONOMIC POLICY. 3 credit hrs.  
Professor WARNE and Mr. KEIR

Same general description and prerequisites as above under Economics.

71. *Elective for Seniors. Second semester.*

79-80. ECONOMICS HONORS. The Department. 4 credit hrs.

This course, open only to qualified Seniors who are majoring in economics, consists of two parts: (1) research and writing of an honors thesis, and (2) a group seminar meeting two hours each week throughout the year to analyze and discuss a limited number of problems involving economic policy. *Open only to Seniors who have been accepted as candidates for honors in economics. First and second semesters.*

## Education

Professors G. KENNEDY and KOESTER; Assistant Professor GROSE

24. DEVELOPMENTAL PSYCHOLOGY. Professor GROSE. 3 credit hrs.

A study of the development of the most important aspects of behavior from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. Requisite: Psychology 21. (Same course as Psychology 24.) *Elective for Sophomores. Second semester.*

41. PHILOSOPHY OF EDUCATION. 3 credit hrs.

A comparative study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies.

(Same course as Philosophy 41. Given in alternate years with Philosophy 47.) Three hours of classroom work a week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

42. EDUCATIONAL PSYCHOLOGY. Professor KOESTER. 3 credit hrs.

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general interest in the field of education. Three class meetings per week. Requisite: Psychology 21. (Same course as Psychology 42.) *Elective for Juniors. Second semester.*

43. PSYCHOLOGICAL STATISTICS. Professor GROSE. 2 credit hrs.

An introduction to statistical techniques commonly used in psychological and educational research. Requisite or corequisite: Psychology 21. (Same course as Psychology 43.) Two class meetings per week. *Elective for Juniors. First semester.*

44. PSYCHOLOGICAL TESTS AND MEASUREMENTS. 3 credit hrs.  
Professor GROSE.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, personality, aptitude, and achievement. Two class meetings and one laboratory session per week. Requisite: Psychology 21 and 43 (the latter may be taken as a corequisite). *Elective for Juniors. Second semester.*

## English

Professors BAIRD, BROWER, McKEON, and WHICHER;

Associate Professors CRAIG and BARBER;

Assistant Professor GIBSON;

Messrs. DEMOTT, PREYER, STALEY, and WAIDELICH.

*Note:* All English majors are required to elect English 21-22 and six other semester courses, exclusive of English 1-2, offered or approved by the English Department.

Candidates for honors in English are required to complete at least eight semester courses in English, exclusive of English 1-2, and including English 21-22, English 25, 26, English 41 or 42, English 46, English 69-70, and English 79-80. Qualified candidates should in their junior year elect English 69-70, and in their senior year elect English 79-80.

1. COMPOSITION. 2 credit hrs.  
Professors BAIRD (Chairman), BARBER, CRAIG, GIBSON, and McKEON, and Messrs. DEMOTT, STALEY, and WAIDELICH.  
Three hours of classroom work per week. *Required for Freshmen. First semester.*
2. COMPOSITION. 2 credit hrs.  
Professors BAIRD (Chairman), BARBER, CRAIG, GIBSON, and McKEON, and Messrs. DEMOTT, STALEY, and WAIDELICH.  
Three hours of classroom work per week. Requisite: English 1. *Required for Freshmen. Second semester.*
21. INTRODUCTION TO LITERATURE. 3 credit hrs.  
Professors BARBER, BROWER (Chairman), GIBSON, and MOORE, and Messrs. DEMOTT and PREYER.  
The aim of this course is to teach critical reading of literature. The material read in any one year is limited to a small number of works of prose and poetry. Required for a major in English. Alternate course in Humanities Sequence. Three hours of classroom work a week. *Elective for Sophomores. First semester.*
22. INTRODUCTION TO LITERATURE. 3 credit hrs.  
Professors BARBER, BROWER (Chairman), CRAIG, GIBSON, and MOORE, and Messrs. DEMOTT and PREYER.  
A continuation of English 21. Requisite: English 21. Three hours of classroom work a week. *Elective for Sophomores. Second semester.*
23. ADVANCED COMPOSITION. Professor GIBSON. 4 credit hrs.  
A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussion of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. First semester.*
24. ADVANCED COMPOSITION. Professor GIBSON. 4 credit hrs.  
A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor; limited to fifteen students. Second semester.*
25. SHAKESPEARE. Professor BAIRD. 3 credit hrs.  
A reading of all the plays. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of "B" in a previous English course. Alternate course in Humanities Sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. SHAKESPEARE. PROFESSOR BAIRD. 3 credit hrs.

A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. THE RENAISSANCE: THE SIXTEENTH CENTURY. 4 credit hrs.  
PROFESSOR BARBER.

A Study of Spenser and the major Elizabethan dramatists, and their relation to social and religious assumptions in popular and devotional literature. Three meetings per week. *Elective for Juniors; limited to twenty-five students. First semester.*

42. THE RENAISSANCE: THE SEVENTEENTH CENTURY. 4 credit hrs.  
PROFESSOR CRAIG.

A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-century writer. Three meetings per week. *Elective for Juniors; limited to twenty-five students. Second semester.*

43. AMERICAN LITERATURE. PROFESSOR WHICHER. 4 credit hrs.

A condensed historical survey from the eighteenth century to the present. Anthology selections from about forty authors will be read. Four hours of classroom work per week. *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. PROFESSOR WHICHER. 4 credit hrs.

An extensive reading in the works of three or four American authors. For 1951-52 the authors read will be Franklin, Emerson, and Melville. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

45. THE NINETEENTH CENTURY ENGLISH NOVEL. 3 credit hrs.  
PROFESSOR CRAIG.

A study of representative works, with attention both to their literary structure and their relation to social history. Three hours of classroom work per week. *Elective for Juniors. First semester.*

46. CHAUCER. PROFESSOR WHICHER. 4 credit hrs.

Chaucer's major works in the original. Four hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of "B" in English 1-2 and who plan to become candidates for the degree with honors in English. Second semester.*

49. LITERARY CRITICISM. PROFESSOR BROWER 4 credit hrs.

Studies in the theory and practice of criticism. Three hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester in alternate years. (Omitted 1952-53.)*

52. JOYCE AND ELIOT. Professor BARBER. *4 credit hrs.*

An introduction to some modern literary methods and related cultural issues by close reading of selections from the short stories and novels of James Joyce and the poems, plays and criticism of T. S. Eliot. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

56. READINGS IN EIGHTEENTH CENTURY LITERATURE. *3 credit hrs.*  
Professor BAIRD.

For 1951-1952 the authors read will be Boswell, Johnson, and Gibbon. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

- 69-70. CONFERENCE COURSE. The Department. *4 credit hrs.*  
*Elective for Juniors; limited to twenty-five students.*

- 79-80. CONFERENCE COURSE. The Department *4 credit hrs.*  
*Elective for Seniors.*

### *Fine Arts*

Professor C. H. MORGAN; Associate Professor ROGERS; Mr. DARR

*Note:* A major in fine arts consists of six semester courses in the department, including Fine Arts 21-22 and Fine Arts 23-24, and two semester courses in allied fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79-80. Fine Arts 21 is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 42; and Fine Arts 23-24 is normally the prerequisite for all advanced courses in the technical aspect of the field.

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21. Same course as Humanities 21. *4 credit hrs.*

22. Same course as Humanities 22. *4 credit hrs.*

23. ELEMENTARY TECHNIQUE AND DESIGN. Professor ROGERS. *3 credit hrs.*

Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

24. ELEMENTARY TECHNIQUE AND DESIGN. Professor ROGERS. *3 credit hrs.*

Elementary color theory and technique of water color painting. Requirement: Fine Arts 23. *Elective for Sophomores. Second semester.*



41. SURVEY OF THE HISTORY OF ART. 3 credit hrs.  
Professor C. H. MORGAN.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-1952.)*

42. FOUR GREEK SITES. Professor C. H. MORGAN. 3 credit hrs.

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

43. EUROPEAN ART OF THE EIGHTEENTH AND NINETEENTH CENTURIES.  
Professor C. H. MORGAN. 3 credit hrs.

Background of European art before the French Revolution and its development during the following one hundred years. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. STUDIES IN MODERN ART. Mr. DARR. 3 credit hrs.

A study of Rivera, Orozco, and other contemporary Mexican painters with particular consideration of the background which produced their art and their relationship to other modern movements. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. AMERICAN ART. Professor C. H. MORGAN. 3 credit hrs.

American architecture, sculpture and painting in America from the 17th century to the present day. Requisite: Fine Arts 21. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

47. ADVANCED TECHNIQUE AND DESIGN. Mr. DARR. 3 credit hrs.

Intensive studio work in oil and watercolor aimed to increase the student's knowledge and control of materials and to focus his powers of communication. Occasional outside reading. Requisite: Fine Arts 23-24 or its equivalent. *Elective for Juniors. First semester.*

48. ADVANCED TECHNIQUE AND DESIGN. Mr. DARR 3 credit hrs.

A continuation of Fine Arts 47. Requisite: Fine Arts 47. *Elective for Juniors. Second semester.*

- 49S. MICHELANGELO. Professor C. H. MORGAN. 1 credit hr.

A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. Second semester.*

## 50. RENAISSANCE ART.

3 credit hrs.

A progressive and comparative study of European painting, north and south, from the 15th through the 17th centuries, with an emphasis upon the greater names in the cycle. Requisite: Fine Arts 21. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

## 79, 80. SPECIAL STUDIES FOR STUDENTS MAJORING IN FINE ARTS.

4 credit hrs.

*French*

Professors ATKINSON, FRENCH, FUNNELL, TURGEON, and WILLIAMS; Assistants: Messrs. BATAILLARD, CABOUR, GARNIER, and SAINT BLANQUAT.

*Note: Major with Honors.* The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development of French literature since the end of the Middle Ages. Candidates will normally take courses numbered 7 or 8, 10, 43, 44, 45, 46, 79, 80. All course elections must be made in consultation with a representative of the Department, and the course program may be adjusted in special cases. No thesis is required, but the work of courses 79 and 80 will include several written papers. At the end of the final semester each candidate will take two three-hour examinations, one consisting mainly of essay questions (to one of which the answer must be written in French), the other involving critical interpretation of text. Recommendations for the various grades of the degree with honors will be made on the basis of (1) the honors examinations, (2) the student's work in courses 79 and 80, (3) his general average in all his work in the Department.

*Major for students not candidates for the degree with honors.* The major must include thirty credit hours, not counting those of courses 1 and 3. Six of these credits may be in approved courses outside the Department.

*Combined major in two languages.* For a student whose primary language is French, the major must include twenty credit hours in French, not counting courses 1, 3, 5; in the second language it must include ten credit hours of which at least three must deal with literature.

*Requirements for Sophomores in Humanities.* The following courses are approved as satisfying the Humanities requirement in sophomore year: Any course or combination of courses giving four credit hours numbered above 5, except French 10, 21 and 22.



## 1. ELEMENTARY COURSE.

4 credit hrs.

Professor TURGEON and Assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

## 3. INTERMEDIATE COURSE.

4 credit hrs.

Professor FUNNELL and Assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

## 3S. INTERMEDIATE COURSE. Professor TURGEON.

4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

## 5. ADVANCED COURSE.

4 credit hrs.

Professors TURGEON and FRENCH and Assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant fiction and plays from the modern period. Three hours per week in class and three hours per week in small sections for oral and aural drill. For those whose linguistic preparation is sufficient, there will be a special section in which more stress will be put on the reading as literature. Conducted as far as possible in French. *Elective for Freshmen. First semester.*

## 5S. ADVANCED COURSE. Professor FRENCH.

4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

## 7. INTRODUCTION TO FRENCH LITERATURE BEFORE THE REVOLUTION.

Professor FUNNELL.

4 credit hrs.

Reading and discussion of selected texts. This course will be conducted as far as possible in French. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

## 8. INTRODUCTION TO FRENCH LITERATURE SINCE THE REVOLUTION.

Professor FUNNELL.

4 credit hrs.

Reading and discussion of selected texts. This course will be conducted as far as possible in French. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

10. ADVANCED COMPOSITION AND CONVERSATION. 4 credit hrs.  
Professor TURGEON and Assistants.

Practice in free composition and in set translation into French; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of French for further study or for teaching the language. Three hours per week of composition and two hours per week of conversation. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

- 21, 22 READING COURSE. Professor WILLIAMS. 4 credit hrs.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

23. ROMANTICISM. Professor WILLIAMS. 3 credit hrs.

An attempt to discover the meaning of Romanticism in its various aspects. A study of the works of authors such as Chateaubriand, Dumas père, Hugo, Musset Stendhal. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. REALISM AND NATURALISM. Professor WILLIAMS. 3 credit hrs.

The growth and influence of materialism, positivism, determinism; the importance of science; the errors of naturalism. A study of the works of Balzac, Flaubert, Zola, etc. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

- 25S. FRENCH LYRIC POETRY. Professor FUNNELL. 2 credit hrs.

A few poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores. Second semester.*

27. THE NOVEL IN THE TWENTIETH CENTURY. 2 credit hrs.  
Professor FUNNELL.

Proust, Gide, Romains, Malraux, and others. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1951-52.)*

28. ADVANCED READINGS IN FRENCH LITERATURE 3 credit hrs.

The content of this course will be determined each year by the instructor in charge. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1951-52.)*

29. FRENCH DRAMA SINCE 1890. PROFESSOR TURGEON. 3 credit hrs.

A survey of the principal trends in the modern theater with extensive readings from such authors as Rostand, Mirbeau, Brieux, Claudel, Pagnol, Romain, Giraudoux, Anouilh, and Sartre. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores; limited to fifteen students. First semester in alternate years.*

31. THE MIDDLE AGES. PROFESSOR FUNNELL. 2 credit hrs.

An introduction to the principal forms of French literature from the eleventh through the fifteenth centuries, with readings in modern French translations. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Sophomores. First semester in alternate years. (Omitted 1951-52.)*

33. FLAUBERT. PROFESSOR WILLIAMS. 1 credit hr.

A study of the writer's technique in *Madame Bovary*, *L'Education sentimentale*, *Salammô*, etc. Ideas in his correspondence. Class discussions and reports. Requisite: French 7 or 8. One hour of classroom work per week. *Elective for Sophomores. First semester.*

34. MÉRIMÉE. PROFESSOR WILLIAMS. 1 credit hr.

Romanticist, realist, classicist. A study of the writer's technique as shown in his *nouvelles* and *contes*, his correspondence, etc. Class discussions and reports. Requisite: French 7 or 8. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

43. FRENCH CLASSIC TRAGEDY—CORNEILLE AND RACINE. 4 credit hrs.  
Professor TURGEON.

A study will be made of the history of the French theater in the seventeenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester. (Omitted 1951-52.)*

44. FRENCH CLASSIC COMEDY—MOLIÈRE. PROFESSOR TURGEON. 4 credit hrs.

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester. (Omitted 1951-52.)*

45. VOLTAIRE. PROFESSOR ATKINSON. 4 credit hrs.

Voltaire and some of his contemporaries of 1715-1750. Requisite: French 7 or 8. Three hours of classroom work per a week. *Elective for*

*Juniors' and, with the consent of the instructor, for Sophomores; limited to twenty-five students. First semester in alternate years.*

46. ROUSSEAU. Professor TURGEON. 4 credit hrs.

Rousseau and some of his contemporaries of 1750-1789. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores; limited to twenty-five students. Second semester in alternate years.*

48. POETRY SINCE BAUDELAIRE. Professor FUNNELL. 2 credit hrs.

Baudelaire, the Symbolists, the principal poets of the twentieth century. Requisite: French 7 or 8. Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester. (Omitted 1951-52.)*

50. MONTAIGNE. Professor ATKINSON. 3 credit hrs.

Montaigne and some of his contemporaries of 1570-1598. Requisite: French 7 or 8. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years.*

79. CONFERENCE COURSE FOR SENIORS. 4 credit hrs.  
*First semester.*

80. CONFERENCE COURSE FOR SENIORS. 4 credit hrs.  
*Second semester.*

## *Geology*

Professor BAIN; Associate Professor WOOD;  
Assistant Professor PARTRIDGE; Mr. SAGE

*Note:* A major in geology consists of three courses in related subjects approved by the Department and five courses in geology, including Geology 21-22, Geology 79 or 80, and one of the following to complete a sequence: Geology 44, 45, 46, 49, or 56. Science 21-22 or Science 23-24 are considered as courses in related subjects provided the work was completed with a grade of 80. The third related course will be in that field of biology, chemistry or physics advantageous to satisfactory progress in Geology 79-80.

A student may declare his intention to major in geology at any time up to the beginning of his sixth semester. At that time he must arrange to complete a sequence that will enable him to present an original thesis based on work in conjunction with Geology 79-80.

Attention of students, intending to proceed to graduate school, is drawn

to the requirement by most institutions that an applicant take the graduate record examination and that the candidate for an advanced degree have a reading knowledge of French and German. A thorough knowledge of Geology 21-22, 23-24 will afford coverage for 85% of the graduate record examination; the first three semesters should be completed with a grade of B before applying to take this test.

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21. PRINCIPLES OF GEOLOGY.

4 credit hrs.

Professors BAIN and PARTRIDGE and Mr. SAGE.

An introductory study of processes modifying the surface form and internal structure of the earth, the historical development of the science, and the historical evolution of land areas and life. Four hours classroom and two hours laboratory work per week. Laboratory will be held in the field when weather permits. Requisite for all courses in the department except Mineralogy. *Elective for Sophomores. First semester.*

22. HISTORICAL GEOLOGY. Mr. SAGE.

4 credit hrs.

The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.*

23. MINERALOGY. Professor PARTRIDGE.

4 credit hrs.

A study of recognition, formation, occurrence, and use of crystals and minerals, and an introduction to the nature of crystalline matter. Three hours classroom and four hours laboratory work per week. *Elective for Sophomores. First semester.*

24. PETROLOGY. Professor PARTRIDGE.

4 credit hrs.

A study of the natural history of rocks and their identification. Three hours classroom and four hours laboratory work per week. Requisite: Geology 23. *Elective for Sophomores. Second semester.*

26. REGIONAL GEOLOGY AND GEOGRAPHY. Professor BAIN.

4 credit hrs.

A study of the development of the principal features in scenery, the rocks, the structure of the continents. The resources and the capacity to support a population are introduced as topics for individual investigation. Offered in alternate years beginning 1949-1950. Four hours classroom and two hours laboratory work per week. Requisite: Geology 21 or Science 23-24 with a grade of B. *Elective for Juniors. Second semester.*



44. PRINCIPLES OF STRATIGRAPHY. Mr. SAGE. 4 credit hrs.

A study of the features of modern sediments and the interpretation of sedimentary rocks. The occurrence of resources in stratified rocks, including fuels, fertilizers, and building materials. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22 and 23. *Elective for Juniors. Second semester.*

45. MINERAL DEPOSITS. Professor BAIN. 4 credit hrs.

A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three classroom hours and four laboratory hours per week. Requisite: Geology 23, 24. *Elective for Juniors. First semester.*

46. WORLD RESOURCES. Professor BAIN. 4 credit hrs.

An investigation into supplies of materials from the earth available to man and the average requirement per person for each. Land acreage, water power, and mineral resources are studied in detail. Given in alternate years. Three hours classroom, one discussion period, and two hours laboratory work per week. Requisite: Geology 21 and either 22 or 26. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

49. INVERTEBRATE PALEONTOLOGY. Mr. SAGE. 4 credit hrs.

The identification, interrelationships, occurrence, and uses of fossil invertebrate animals and plants. Three hour classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.*

56. VERTEBRATE PALEONTOLOGY. Professor WOOD. 4 credit hrs.

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Biology 56) Requisite: Geology 22. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

79, 80. CONFERENCE COURSE. 4 credit hrs.

Professors BAIN, WOOD, and PARTRIDGE, and Mr. SAGE.

Special investigation of one or more topics in mineral deposits, structural geology, stratigraphy, paleontology, or world resources. Two hours conference per week and laboratory work as required. Requisite: The background courses in the Department. *Elective for Seniors.*



## German

Professor SCENNA;

Assistant Professor PEPPARD; Mr. GARDNER

Assistants Mrs. BREUSCH and MESSRS. BAUER and WEBER

*Note:* The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7, 21, 22, 28.

*Major:* A major *rite* in German consists of eight courses, two of which may be related courses outside the Department. The following courses count toward the major: German 5, 7, 21, 22, 23, 28, 42, 43, 44, 79, 80.

*Honors:* The aim of honors work in German is to offer the candidate the opportunity

- a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work
- b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay
- c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 43, 44, 79, 80. They are urged to study one other ancient or modern foreign language.

### 1. ELEMENTARY COURSE. PROFESSOR PEPPARD 4 credit hrs.

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

### 3. INTERMEDIATE COURSE. MR. GARDNER. 4 credit hrs.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for ex-

planation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Mr. GARDNER. 4 credit hrs.

Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshman. Second semester.*

5. ADVANCED COURSE. Professor SCENNA. 4 credit hrs.

Reading and analysis of selected texts. This course will meet three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

*Note:* Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training.

5S. ADVANCED COURSE. Professor PEPPARD. 4 credit hrs.

Same description as above. Requisite: German 3 or its equivalent. *Second semester.*

7. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.  
Mr. GARDNER.

Reading and discussion of selected literary texts. This course will be conducted as far as possible in German. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. First semester.*

7S. INTRODUCTION TO GERMAN LITERATURE. Mr. GARDNER 4 credit hrs.

Same description as above. Requisite: Satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. THE AGE OF GOETHE. Professor SCENNA. 4 credit hrs.

A study of the development of German literature, particularly as reflected in the works of Goethe, excluding *Faust*. Selected readings in other authors of the period. Lectures, essays and assigned readings. Requisite: German 7 or the consent of the instructor. *Elective for Sophomores. First semester. (Omitted 1951-52.)*

22. FAUST. PROFESSOR SCENNA. 4 credit hrs.

*Faust*, Parts I and II. Study of the Faust legend and assigned readings. Requisite: German 7 or the consent of the instructor. *Elective for Freshmen. Second semester.*

23. ADVANCED COMPOSITION AND CONVERSATION. 4 credit hrs.  
PROFESSOR PEPPARD.

Practice in free composition and set translation into German; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of German for further study or for teaching the language. Offered every other year. Requisite: The consent of the instructor. *Elective for Sophomores. First semester.*

- 25, 26. READING COURSE. MR. GARDNER. 4 credit hrs.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

28. ADVANCED READINGS IN GERMAN LITERATURE. 3 credit hrs.  
PROFESSOR PEPPARD.

The content of this course will be determined each year by the instructor in charge. For 1951-52: German literature of the twentieth century, with some attention to the relation of literature to the national scene. Requisite: German 7, or consent of the instructor. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

42. GERMAN LITERATURE OF THE NINETEENTH CENTURY. 4 credit hrs.  
PROFESSOR SCENNA.

Major developments in German prose, poetry and drama since the age of Goethe, with some attention to the contemporary literary scene. Readings, reports and discussions. Requisite: German 21, or German 22, or the consent of the instructor. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

43. STUDIES IN GERMAN CULTURE I. PROFESSOR SCENNA. 4 credit hrs.

Assignment of individual problems or readings in fields of special interest. Requisite: German 22 or the consent of the instructor. *Elective for Seniors. First semester.*

44. STUDIES IN GERMAN CULTURE II. PROFESSOR SCENNA. 4 credit hrs.

Assignment of individual problems or readings in fields of special in-

terest. Réquisite: German 22, or German 43, or the consent of the instructor. *Elective for Seniors. Second semester.*

79-80. HONORS COURSE FOR SENIORS. The Department. *4 credit hrs.*

### *History*

Professors PACKARD, SALMON, and SHERMAN;  
Associate Professors HAVIGHURST and ROZWENC;  
Assistant Professor KRANZBERG; Messrs. SCOTT, STALEY, WALLER, and  
WHITESIDE

*Note:* A major in history will consist of six semester courses in history in addition to the required sequence courses (History 1-2 and American Studies 21-22) of the freshman and sophomore years.

Candidates for honors in history must take, in addition to the social science sequences of the freshman and sophomore years, six semester courses in the Department. These courses will include the conference courses in Junior Honors and Senior Honors. Those concentrating in the American field may pursue a major in American Studies, or they may follow a program of study under the direction of the History Department. Candidates concentrating in the European field should take History 25-26 (preferably in the Sophomore year). In the junior year candidates will take one written and one oral examination and in the senior year two written examinations and one oral. Emphasis is placed on individual work by the students in the presentation of seminar reports and in the writing of an honors thesis in the second semester of senior year.

History 23-24 will satisfy the Sophomore Humanities Sequence.

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1. THE DEVELOPMENT OF WESTERN CIVILIZATION: A SURVEY OF EUROPEAN HISTORY AND AN INTRODUCTION TO THE SOCIAL STUDIES. *4 credit hrs.*

Professors PACKARD, SHERMAN, HAVIGHURST, and KRANZBERG, and  
Messrs. SCOTT, STALEY, and WHITESIDE.

Lectures, 3 hours; section meetings, 1 hour. *Required for Freshmen. First semester.*

2. THE DEVELOPMENT OF WESTERN CIVILIZATION: A SURVEY OF EUROPEAN HISTORY AND AN INTRODUCTION TO THE SOCIAL STUDIES. *4 credit hrs.*

Professors PACKARD, SHERMAN, HAVIGHURST, and KRANZBERG, and  
Messrs. SCOTT, STALEY, and WHITESIDE.

Lectures, 3 hours; section meetings, 1 hour. *Requisite: History 1. Required for Freshmen. Second semester.*

21. LATIN AMERICA. PROFESSOR SALMON. 3 credit hrs.

The history of Latin America from the period of discovery to the present, with a survey of Iberian and Indian backgrounds. Three hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1951-52.)*

22. LATIN AMERICA. PROFESSOR SALMON. 3 credit hrs.

Three hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1951-52.)*

23. CLASSICAL CIVILIZATION. PROFESSOR SHERMAN. 3 credit hrs.

A study of the civilization of Greece from Homer to Alexander and its contributions to Western Civilization in economics, law, science, literature and philosophy. Readings from Greek literature with special reference to Greek drama. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. CLASSICAL CIVILIZATION. PROFESSOR SHERMAN. 3 credit hrs.

A study of the Hellenistic and Roman Empires and their contributions to Western Civilization in economics, politics, law, science, literature and philosophy. Readings from Greek and Latin literature. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. THE MIDDLE AGES. PROFESSOR SALMON. 3 credit hrs.

A study of institutional and intellectual developments in Europe from the end of the Roman Empire through the fifteenth century. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. THE MIDDLE AGES. PROFESSOR SALMON. 3 credit hrs.

A continuation of History 25. Requisite: History 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. RUSSIA. PROFESSOR SALMON. 3 credit hrs.

General history of Russia and the Slavs, with emphasis upon recent political and economic developments. *Elective for Juniors. First semester.*

42. RUSSIA. PROFESSOR SALMON. 3 credit hrs.

A continuation of History 41. *Elective for Juniors. Second semester.*

43. SOCIETY AND POLITICS IN THE NINETEENTH CENTURY. 4 credit hrs.  
PROFESSOR KRANZBERG.

An analysis of European social, cultural, economic, and political developments from 1815. *Elective for Juniors. First semester.*



44. SOCIETY AND POLITICS IN THE NINETEENTH CENTURY. 4 credit hrs.  
Professor KRANZBERG.

A continuation of History 43. *Elective for Juniors. Second semester.*

45. THE FAR EAST. INDIA AND THE INDIES. 4 credit hrs.  
Professor PACKARD.

Four hours of classroom work per week. *Elective for Juniors. First semester.*

46. THE FAR EAST. CHINA AND JAPAN. PROFESSOR PACKARD. 4 credit hrs.

A continuation of History 45. Four hours of classroom work per week.  
Requisite: History 45. *Elective for Juniors. Second semester.*

47. EUROPE IN THE AGE OF LOUIS XIV. 4 credit hrs.  
Professor PACKARD.

First half of a year course. Requisite: a reading knowledge of French.  
Three hours of classroom work per week. *Elective for Juniors. First semester.*  
(Omitted 1951-1952.)

48. EUROPE IN THE AGE OF LOUIS XIV. 4 credit hrs.  
Professor PACKARD.

Second half of a year course. Three hours of classroom work per week.  
Requisite: History 47 and a reading knowledge of French. *Elective for Juniors. Second semester.* (Omitted 1951-1952.)

49. TWO WORLD WARS. PROFESSOR PACKARD. 3 credit hrs.

First half of a year course. Both History 49 and History 50 must be completed to secure credit for History 49. Three hours of classroom work per week. *Elective for Juniors. First semester.* (Omitted 1951-52.)

50. TWO WORLD WARS. PROFESSOR PACKARD. 3 credit hrs.

Three hours of classroom work per week. Requisite: History 49. *Elective for Juniors. Second semester.* (Omitted 1951-52.)

51. ENGLISH HISTORY: TUDORS AND STUARTS. 3 credit hrs.  
Professor HAVIGHURST.

Political and social history of England from 1485 to 1714. *Elective for Juniors. First semester.*

52. MODERN ENGLAND. PROFESSOR HAVIGHURST. 3 credit hrs.

Political and social history of England and the British Empire from 1714 to the present. Three hours of classroom work per week. *Elective for Juniors. Second semester.*



## 53. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.

Professor ROZWENG.

4 credit hrs.

The development of American life from the colonial period to the present day with emphasis upon economic influences, racial contributions, religious and educational institutions, humanitarian movements and intellectual currents. Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

## 54. SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES.

Professor ROZWENG.

4 credit hrs.

Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

## 55. THE FRENCH REVOLUTION. Professor SALMON.

4 credit hrs.

Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

## 56. THE AGE OF NAPOLEON. Professor SALMON.

4 credit hrs.

Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

## 57. HISTORY OF POLITICAL THOUGHT. Professor SHERMAN.

3 credit hrs.

A study of the development of political thought in the West from the Greeks to Rousseau. (Same course as Political Science 57.) Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 59. AMERICAN POLITICAL HISTORY. Professor ROZWENG.

4 credit hrs.

This course will attempt an integrated analysis of definable political periods in the agrarian age of American development. Such political periods as the Revolutionary Era, the Federalist Era, Jeffersonian Democracy, Republican Nationalism, and Jacksonian Democracy will be studied with emphasis on the leading political ideas examined in relation to the actual institutional and legislative developments in the federal and state governments. Four hours of classroom work per week. *Elective for Juniors. First semester.*

## 60. AMERICAN POLITICAL HISTORY. Professor ROZWENG.

4 credit hrs.

The same method as in History 59 will be applied to political periods in the recent industrial era of our history, such as Reconstruction Politics, the Progressive Era, the Conservative Reaction and the New Deal. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

## 61. AMERICAN COLONIAL HISTORY. Mr. WALLER.

4 credit hrs.

The settlement of the English colonies in America, the development of economic and political institutions inherited from the Old World and

modified by the New, the emerging intellectual and religious life of the colonists, the evolution of the British Colonial System and its clash with the rival colonial systems of France and Spain, and the American Revolution. Four hours of classroom work per week. *Elective for Juniors. First semester.*

62. 'AMERICAN DIPLOMATIC HISTORY. Mr. WALLER. 3 credit hrs.

The history of American foreign policy from the American Revolution to the present, with emphasis on the period since 1898. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

63. THE RENAISSANCE AND REFORMATION. 4 credit hrs.

The first semester will deal with the emergence of Western Europe from feudalism in the period 1300-1500 and will study manifestations of the Renaissance principally in the intellectual, social, economic, and artistic fields. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

64. THE PERIOD OF THE REFORMATION. Mr. SCOTT. 4 credit hrs.

A study of the social, economic, and political changes in the sixteenth and seventeenth centuries and their relation to intellectual development. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

66. WESTWARD EXPANSION OF AMERICA. Mr. WALLER. 3 credit hrs.

The history of the westward expansion of the United States from the Revolution to the twentieth century, tracing the influence of the frontier on the political and economic life of the nation and on the growth of American nationalism. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

67. CONSTITUTIONAL AND LEGAL HISTORY OF ENGLAND. 4 credit hrs.  
Professor HAVIGHURST.

Growth of Common Law; evolution of Parliament; development of limited monarchy. Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

69. CONFERENCE COURSE. JUNIOR HONORS. The Department. 4 credit hrs.  
*Elective for Juniors. First semester.*

70. CONFERENCE COURSE. JUNIOR HONORS. 4 credit hrs.  
The Department.  
Requisite: History 69. *Elective for Juniors. Second semester.*

79 CONFERENCE COURSE. SENIOR HONORS. 4 credit hrs.  
The Department.  
*Elective for Seniors. First semester.*

## 80. CONFERENCE COURSE. SENIOR HONORS.

4 credit hrs.

The Department.

Requisite: History 79. *Elective for Seniors. Second semester.**Humanities*

## 1. HUMANITIES.

2 credit hrs.

Professors WHICHER, ATKINSON, LAMPRECHT, FUNNELL (chairman), CLAUSEN, FEW, JOHNSON, MOORE, and PEPPARD, and Messrs. HUSTON, PRITCHARD, SCOTT, and others.

A reading course: fairly rapid reading both for understanding and for enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature and to the Old Testament. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

## 2. HUMANITIES.

2 credit hrs.

Professors ATKINSON, LAMPRECHT, FUNNELL (chairman), CLAUSEN, FEW, JOHNSON, MOORE, and PEPPARD, and Messrs. HUSTON, PRITCHARD, SCOTT, and others.

A continuation of Humanities 1. The reading list for this semester includes in general works selected from the medieval, Renaissance and modern periods. Three hours per week. Requisite: Humanities 1. *Required for Freshmen. Second semester.*

## 21. AN INTRODUCTION TO MUSIC, FINE ARTS, AND DRAMA.

4 credit hrs.

Professors CANFIELD, C. MORGAN, V. MORGAN, MCGOUN, ROGERS, and Messrs. BECKWITH and DARR.

A consideration of the vocabulary, methods, and materials of creative expression in music, fine arts, and drama. The conclusion of the course shows how the three arts reflect the ideals of nineteenth century impressionism. This course is normally requisite for all other courses in dramatic arts and for several courses in fine arts and in music. Three hours of classroom and one hour of laboratory work per week. *Elective for Sophomores. First semester.*

## 22. AN INTRODUCTION TO MUSIC, FINE ARTS, AND DRAMA.

4 credit hrs.

Professors CANFIELD, C. MORGAN, V. MORGAN, MCGOUN, ROGERS, and Messrs. BECKWITH and DARR.

A continuation of Humanities 21. The technical background acquired in Humanities 21 is used in a study of the arts in the Periclean Age, the

Age of the Church, the Period of Humanism, and the Nineteenth Century. Emphasis is placed on the integration of the arts and of the arts with their times. Requisite: Humanities 21. Three hours of classroom and one hour of laboratory work per week. *Elective for Sophomores. Second semester.*

## *Italian*

Professor FRENCH

1. ELEMENTARY COURSE. Professor FRENCH. 4 credit hrs.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, three hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Professor FRENCH. 4 credit hrs.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, two hours per week in small sections for drill in aural comprehension of the language. *Elective for Freshmen. Second semester.*

21. READINGS IN ITALIAN LITERATURE FROM BOCCACCIO TO THE PRESENT.  
Professor FRENCH. 4 credit hrs.

Reading of important works with special attention to the modern period. Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. DANTE. Professor FRENCH. 4 credit hrs.

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Requisite: Italian 21. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester.*

24. THE RENAISSANCE. Professor FRENCH. 4 credit hrs.

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano* and Machiavelli's *Principe* with a study of the social background of the fifteenth and sixteenth centuries in Italy. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores; limited to twenty-five students. Second semester. (Omitted 1951-52.)*

## *Legal Studies*

Professors LATHAM and LOEWENSTEIN;  
Associate Professors HAVIGHURST and ZIEGLER

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.  
Professor ZIEGLER.

A study of leading constitutional principles in the United States as inter-

preted by the courts. Attention is focused on a series of problems (due process, commerce, etc.) and the court cases examined and analyzed against the background of history, politics, economics, and personality surrounding them and out of which they grew. Designed for students who desire a non-technical knowledge of the more important federal and state constitutional principles in the United States. (Same course as Political Science 25.) Requisite: Political Science 21. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

42. ADMINISTRATIVE LAW. Professor LATHAM. 4 credit hrs.

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. (Same course as Political Science 42.) Four hours of classroom work per week. *Elective for Juniors. Second semester.*

44. INTERNATIONAL LAW. Professor ZIEGLER. 4 credit hrs.

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester.*

67. CONSTITUTIONAL AND LEGAL HISTORY OF ENGLAND. 4 credit hrs.  
Professor HAVIGHURST.

Growth of Common Law; evolution of Parliament; development of limited monarchy. (Same course as History 67.) Four hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

73-74. INTRODUCTION TO JURISPRUDENCE. 4 credit hrs.  
Professor LOEWENSTEIN.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. (Same course as Political Science 73-74.) Four hours of classroom work per week. *Elective for Seniors. First and second semesters. (Omitted 1951-1952.)*



## *Mathematics*

Professors BROWN and SPRAGUE; Associate Professor BREUSCH; Mr. GOOD

*Note:* A major in mathematics must elect 3, 23, 31, 32. All mathematics courses except 1-2 give major credit.

In addition to the general college requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the conference course, and in any additional courses prescribed by the Department.

The content of the conference course varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Classical Algebra, Algebraic Geometry, Differential Geometry and Topology.

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|-----------------------------------|---------------|
| 1. Same course as Science 1A, 1B. | 4 credit hrs. |
| 2. Same course as Science 2A, 2B. | 4 credit hrs. |
| 3. CALCULUS. PROFESSOR BREUSCH.   | 4 credit hrs. |

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

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| 3S. CALCULUS. PROFESSOR SPRAGUE. | 4 credit hrs. |
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Same description as above. *Elective for Freshmen. Second semester.*

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| 23S. DIFFERENTIAL EQUATIONS. MR. GOOD. | 4 credit hrs. |
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Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

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| 31. ADVANCED CALCULUS. PROFESSOR BREUSCH. | 4 credit hrs. |
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Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

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| 32. ADVANCED CALCULUS. PROFESSOR BREUSCH. | 4 credit hrs. |
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Multiple integrals, line and surface integrals, transformation of integrals, Fourier series, complex functions. Requisite: Mathematics 31.



Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. STATISTICS. PROFESSOR SPRAGUE. 3 credit hrs.

General survey of practical applications to economic and scientific problems covering measures of central tendency and variability, correlation, probability and frequency distributions, sampling distributions. Requisite: Science 1-2. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. MODERN MATHEMATICS. PROFESSOR BROWN. 3 credit hrs.

A few simple mathematical systems of current interest will be constructed and studied. An exercise in the postulational method. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

46S. THEORY OF EQUATIONS. MR. GOOD. 3 credit hrs.

Polynomials, the division transformation, Euclid's algorithm, Horner's method, Sturm functions, solution of the cubic and quartic equations, mathematical induction, complex numbers, determinants, symmetric functions, the resultant, introduction to matrices. Requisite: Mathematics 3 or its equivalent. *Elective for Juniors. First semester.*

79. CONFERENCE COURSE. PROFESSOR BROWN. 4 credit hrs.

*Elective for Seniors. First semester.*

80. CONFERENCE COURSE. PROFESSOR BROWN. 4 credit hrs.

*Elective for Seniors. Second semester.*

## Music

Professor V. MORGAN; Associate Professor MISHKIN; Mr. BECKWITH

*Note:* There are two programs available for students majoring in music:

1. The music major which does not include applied music consists of five required semester courses and three other semester courses offered by the Department. The required courses are: Music 21-22, Music 23-24 and Music 41.

2. Since a minimum of four semester courses in applied music is expected, a music major which includes applied music will consist of nine rather than the usual eight semester courses. The following courses are all required: Music 21-22, Music 23-24, Music 41, and two years of Music 29-30.

An individual program will be arranged for each candidate for the degree with honors in music at the beginning of junior year. Concentration

may be in advanced theory, music history, or applied music. All honors candidates must elect Music 79-80 and, late in the final semester of senior year, they will be required to take a comprehensive oral examination. Other examinations, essays or recitals will be arranged according to the individual's program.

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21. Same course as Humanities 21. 4 credit hrs.

22. Same course as Humanities 22. 4 credit hrs.

23. ELEMENTARY THEORY. PROFESSOR MISHKIN. 3 credit hrs.

A study of the rhythmic, melodic, and harmonic organization of musical tones with emphasis on the harmonic idiom of the eighteenth century. Writing in four parts; analysis; ear training; keyboard harmony. Triads and their inversions, non-harmonic tones, writing in the style of the Bach chorales. Limited to fifteen students. Requisite: Ability to play all written work. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

24. ELEMENTARY THEORY. PROFESSOR MISHKIN. 3 credit hrs.

A continuation of Music 23. Seventh chords, secondary dominants, elementary phrase construction. Limited to fifteen students. Requisite: Music 23. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

29. APPLIED MUSIC. 3 credit hrs.

Courses are offered in the following branches of applied music: piano, organ, violin, viola, violoncello. These courses may be elected by a limited number of students who satisfy the department, at an audition, that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as freshmen or sophomores and to continue this study for two years. During the first two years of study three credit hours will be granted for each semester. Under exceptional circumstances a student may, with the permission of the Dean, elect a third year for which there will be two credit hours per semester.

Students of piano and organ have one hour of private instruction per week and are required (a) to participate in a weekly session of ensemble playing, (b) to practice a minimum of nine hours per week, and (c) to elect in sophomore or junior year one other course offered by the Department.

Students of string instruments have one hour of private instruction per week and are required (a) to attend the weekly rehearsal of the Smith

College Orchestra, (b) to practice a minimum of nine hours per week, and (c) to elect in sophomore or junior year one other course offered by the Department.

Private instruction will be given by members of the Department of Music of Smith College. A fee of \$50 per semester will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of the Department. First semester.*

30. APPLIED MUSIC.

3 credit hrs.

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of the Department. Second semester.*

41. SYMPHONIC MUSIC. PROFESSOR V. MORGAN.

3 credit hrs.

The symphony, concerto, and symphonic poem: their development from Haydn through Brahms. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester.*

42. MUSIC SINCE 1900. MR. BECKWITH.

3 credit hrs.

Modern music in Europe and the United States from Debussy to Stravinsky. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

44. BEETHOVEN. PROFESSOR V. MORGAN.

3 credit hrs.

A study of the piano, chamber, and orchestral music. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-1952.)*

45. BACH. PROFESSOR MISHKIN.

3 credit hrs.

The Bach style studied in relation to the development of music from 1600. Requisite: Music 21 or the consent of the Department. Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1952-1953.)*

46. THE OPERA. PROFESSOR V. MORGAN.

4 credit hrs.

The development of the musical drama with emphasis on a detailed study of operatic types. Representative works by Mozart, Verdi, and Wagner. Requisite: Music 21 or the consent of the Department. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1952-1953.)*

47. CHROMATIC HARMONY AND ANALYSIS. PROFESSOR MISHKIN. 3 credit hrs.

A continuation of Music 23-24 with emphasis on the harmonic idioms of the nineteenth and twentieth centuries. Composition in the smaller

forms. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. TONAL COUNTERPOINT. Professor MISHKIN. *3 credit hrs.*

Contrapuntal technique of the eighteenth century, invertible counterpoint, canon, two and three part inventions. Requisite: Music 24. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

51. MUSIC IN THE ELIZABETHAN AGE. Professor MISHKIN. *2 credit hrs.*

Music in sixteenth century England and its relation to the cultural and social life of the times. No technical knowledge of music is presupposed. Two hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1951-52.)*

53. MUSICAL LITERATURE. Professor MISHKIN. *2 credit hrs.*

A study of the development of music through Beethoven. Designed for students with no previous academic work in music who are interested in developing techniques of listening. This course is not open to students who have completed or elected Music 21. Two hours of classroom work per week. *Elective for Juniors. First semester.*

54. MUSICAL LITERATURE. Professor MISHKIN. *2 credit hrs.*

A continuation of Music 53. The study of the development of music from Schubert to the present day. Requisite: Music 53 or Music 21. This course is not open to students who have taken Music 22. Two hours of classroom work per week. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. The Department. *4 credit hrs.*

Studies in history or advanced theory. *Elective for qualified Seniors. First semester.*

80. CONFERENCE COURSE. The Department. *4 credit hrs.*

A continuation of Music 79. *Elective for qualified Seniors. Second semester.*

## *Philosophy*

Professors G. KENNEDY and LAMPRECHT; Assistant Professor FEW

*Note:* The courses open to Sophomores: Introduction to Philosophical Literature, Ethics, and Logic, may count towards a major in Philosophy. All majors in Philosophy are required to take Philosophy 43 and 44.

Candidates for the degree with honors in Philosophy will normally take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will

write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, early in May of senior year, two written and one oral examinations. One written examination will be on the general history of European and American Philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department—metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of the Philosophy and affiliated Departments. Recommendation for the various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in the following combined fields:

Philosophy and Classics  
 Philosophy and English  
 Philosophy and History  
 Philosophy and Political Science  
 Philosophy and Psychology  
 Philosophy and Religion

The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved by representatives of the two departments concerned. Recommendation for the various degrees with honors will be made by committees composed of members of the two departments concerned.

21. INTRODUCTION TO PHILOSOPHICAL LITERATURE.

4 credit hrs.

Professor FEW.

A study will be made of various classical and contemporary authors with a view to assisting each student to develop his own position systematically. This course can be taken to meet part of the sophomore requirement in connection with the Humanities. Four class hours per week. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PHILOSOPHICAL LITERATURE.

4 credit hrs.

Professor LAMPRECHT.

Training in the reading of philosophical literature. Discussion of selected works by various classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought. This course can be



taken to meet part of the sophomore requirement in connection with the Humanities. Four class hours per week. *Elective for Sophomores. Second semester.*

23S. THE SCIENCE OF THINKING. Professor FEW. 3 credit hrs.

The elements of symbolic logic, semantics, and scientific methodology. Three class hours per week. *Elective for Sophomores. Second semester.*

24S. ETHICS. Professor KENNEDY. 3 credit hrs.

The social basis of morality, theory of the moral life, morals and social problems. Three class hours per week. *Elective for Sophomores. First semester.*

25. MODERN LOGIC. 2 credit hrs.

The principles of symbolic logic, semantics, and scientific methodology presented in a fairly technical manner. Requisite: Philosophy 23, or interest in mathematics or empirical science. Two class hours per week. *Elective for Sophomores. First semester. (Omitted 1951-52.)*

41. PHILOSOPHY OF EDUCATION. Professor KENNEDY. 3 credit hrs.

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. Given in alternate years with Philosophy 47. *Elective for Juniors. First semester. (Omitted 1951-52.)*

43. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. 4 credit hrs.  
Professor LAMPRECHT.

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, and the formation of Christian thought. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. First semester.*

44. HISTORY OF MODERN PHILOSOPHY. Professor LAMPRECHT. 4 credit hrs.

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Locke, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Juniors. Second semester.*

47S. AMERICAN PHILOSOPHY. Professor KENNEDY. 3 credit hrs.

A study of the modern period in American thought. Reading and discussion of works by Peirce, Royce, James, Santayana, Whitehead, Veblen and Dewey. Three class hours per week. Given in alternate years with Philosophy 41. *Elective for Juniors. Second semester.*



48. POLITICAL PHILOSOPHY. Professor FEW. 3 credit hrs.

Plato's *Republic*, Aristotle's *Politics*, Hitler's *Mein Kampf*, various Marxist writings, and various works dealing with democracy will be examined with a view to arriving at definitions of key concepts and tentative solutions to central problems. Special attention will be given to the ideological conflict between democracy and communism. *Elective for Juniors. Second semester.*

49. EASTERN RELIGIONS. Professor MARTIN. 3 credit hrs.

(Same course as Religion 49.) *Elective for Juniors. First semester.*

50. PHILOSOPHY OF RELIGION. Professor MARTIN. 3 credit hrs.

(Same course as Religion 50.) *Elective for Juniors. Second semester.*

71. REPRESENTATIVE PHILOSOPHERS. Professor KENNEDY. 4 credit hrs.

A critical study of not more than three great modern philosophers. Individual reports and essays will be assigned. Requisite: A grade of "B" in two semester courses in philosophy. *Elective for Seniors; limited to fifteen students. First semester.*

72. REPRESENTATIVE PHILOSOPHERS. Professor FEW. 4 credit hrs.

A critical examination of one philosopher from the past and one contemporary. Choices will depend on the interests of the class. Requisite: A grade of B in two semester courses in philosophy. Two class hours per week. *Elective for seniors; limited to fifteen students. Second semester.*

- 74S. METAPHYSICS. Professor LAMPRECHT. 1 credit hr.

A systematic treatment of fundamental concepts for a theory of nature. This treatment will not be made for historical purposes but will presuppose knowledge of the major figures in the history of ideas. One lecture a week, discussion, and occasional essays. Requisite: Three semesters of philosophy, including Philosophy 43 and Philosophy 44, or the consent of the instructor. One class hour per week. *Elective for Seniors. First semester.*

79. CONFERENCE COURSE. The Department. 4 credit hrs.

Required of candidates for honors in philosophy. *Elective for Seniors. First semester.*

80. CONFERENCE COURSE. The Department. 4 credit hrs.

Required of candidates for honors in philosophy. *Elective for Seniors. Second semester.*

## *Physical Education*

Professors ECKLEY, LUMLEY, and MARSH; Associate Professors M. J. KENNEDY, McLAUGHRY, and RICHARDSON; Assistant Professors GILLESPIE, MCCABE, ROSTAS, and WILSON; Messrs. GOWEN and VAN PETERSILGE

Complete physical examination, physical fitness tests, special exercises for remedial defects, and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

## *Physics*

Professors SOLLER and STIFLER; Assistant Professors BENSON and FAIRBANK; Mr. CROWELL

*Note:* A major in physics will require the following courses in physics beyond Science 1 and 2: Physics 22, 45, 46, plus 12 hours elective.

A major with honors will require the following courses in physics beyond Science 1 and 2: Physics 22, 42, 45, 46, 71, 72, four hours elective, plus the following program of honors work:

The aim of honors work in physics is to provide an opportunity for the student to develop his ability and interest in individual investigation, and his skill in experimental techniques. Any student who intends to do graduate work in physics should register for honors work, but the honors program is available to other qualified students as well.

The honors project consists of independent work, under faculty direction, on some experimental or theoretical problem mutually acceptable to both the student and staff. Experimental equipment is available for work in some phases of magnetism, acoustics, ultrasonics, optics, electronics, X-rays, cosmic rays, and nuclear- and low-temperature physics. The student is given facilities to review the literature in the field, to design, construct and assemble his experimental equipment, and to make observations. During the spring, he is required to present his work in the Physics Seminar, and to prepare a thesis, which is due on May 15th.

In addition, during the latter part of May, the student is required to take comprehensive examinations, both written and oral, to test his grasp of fundamental physical principles.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive examinations.

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1. Same course as Science 1A, 1B.

*4 credit hrs.*

2. Same course as Science 2A, 2B.

*4 credit hrs.*

22. Same course as 22S, *Second semester.* 4 credit hrs.

22S. INTRODUCTORY COURSE. 4 credit hrs.

Professor FAIRBANK and Mr. CROWELL.

Supplementary beginning course, covering topics in general physics omitted or treated only briefly in Science 1, 2. Required for all physics majors. Four hours of lectures and class discussions and one laboratory period per week. Requisite: Science 1, 2A; or a grade of B in Science 1, 2B, with some additional summer reading on selected topics. *Elective for Sophomores. First semester.*

41. OPTICS. Professor BENSON. 4 credit hrs.

A basic treatment of the principles of geometrical and physical optics. The use of simple optical systems, prisms, diffraction gratings, spectrographs; the nature of diffraction and interference phenomena. Three hours of lectures and discussions and one laboratory period per week. Requisite: Physics 22. *Elective for Juniors. First semester.*

42. MECHANICS. Professor BENSON. 3 credit hrs.

A rigorous treatment of selected topics in Newtonian mechanics, covering the dynamics of particles and rigid bodies, gravitation and elementary potential theory, and a brief introduction to elasticity and fluid dynamics. Statics is treated briefly as a special case of dynamics. A knowledge of fundamental vector analysis is presumed (from Mathematics 31). Three hours of lectures and discussions per week. Requisite: Mathematics 31, Physics 22. *Elective for Juniors. Second semester.*

43. HEAT AND THERMODYNAMICS. Mr. CROWELL. 3 credit hrs.

The nature of heat, temperature and its measurement, calorimetry, radiation, the laws of thermodynamics, including applications of these topics to experimental procedures at temperatures near absolute zero, and a brief introduction to statistical mechanics and the kinetic theory of gases. Three hours of lectures and discussions per week. In addition, each student will perform a few advanced experiments during the semester. Requisite: Physics 22 and Mathematics 3. *Elective for Juniors. First semester.*

45. ELECTRICITY AND MAGNETISM I. Professor STIFLER. 4 credit hrs.

A rigorous treatment of the fundamentals of electrostatics, magnetostatics, and direct current theory, using calculus methods and vector notation when advantageous. Required for all physics majors. Three hours of lectures and problems, and one laboratory period per week. Requisite: Physics 22 and Mathematics 3. *Elective for Juniors. First semester.*

## 46. ELECTRICITY AND MAGNETISM II. Professor STIFLER. 4 credit hrs.

A continuation of Physics 45, treating magnetic circuits, transient phenomena, fundamentals of alternating current theory, resonance phenomena, and elementary electromagnetic theory. Required for all majors. Three hours of lectures and problems, and one laboratory period per week. Requisite: Physics 45. *Elective for Juniors. Second semester.*

## 47. WAVE MOTION AND ACOUSTICS. Professor SOLLER. 2 credit hrs.

General characteristics of wave motion, both transverse and longitudinal, wave equation, energy density, reflection and absorption of waves, Fourier analysis of complex wave forms; with application to vibrating bodies and acoustics. Two lectures or discussion periods per week. Requisite: Physics 22, Mathematics 3. *Elective for Juniors. First semester.*

## 48. ELECTRONICS. Professor SOLLER. 4 credit hrs.

Theory and electrical characteristics of vacuum and gas-filled thermionic tubes, light-sensitive devices, and cathode ray tubes. Elementary analysis of vacuum tube circuits, rectifiers, oscillators, and generators of various types of wave-form. Enrollment in course limited. Three hours of lectures and discussions, and one laboratory period per week. Requisite: Physics 45 and the consent of the instructor. *Elective for Juniors. Second semester.*

## 71. ATOMIC PHYSICS. Professor STIFLER. 3 credit hrs.

The development of experimental and theoretical knowledge of matter and radiation and their interaction at the atomic level. Includes kinetic theory, black body radiation, photoelectric effect, properties of electron, mass spectrometry, Rutherford atom, Bohr theory of spectra, X-rays, wave nature of matter and a brief introduction to modern quantum theory. Three hours of lectures per week. Requisite: Physics 45, 46. *Elective for Seniors. First semester.*

## 72. NUCLEAR PHYSICS. Professor BENSON. 2 credit hrs.

Radioactivity, isotopes, nuclear reactions, neutron physics and fission, cosmic rays. Emphasis is on experimental evidence and techniques, with accompanying theory wherever practicable. Two hours of lectures per week. Requisite: Physics 71. *Elective for Seniors. Second semester.*

## 73. THEORETICAL PHYSICS I. Professor BENSON. 4 credit hrs.

Advanced dynamics, electromagnetic theory, and special relativity. Four hours of lectures or seminars per week. Requisite: Physics 42, 45, 46. *Elective for senior honors students only. First semester.*



## 74. THEORETICAL PHYSICS II. PROFESSOR FAIRBANK.

3 credit hrs.

Introduction to quantum mechanics. Three hours of lectures or seminars per week. Requisite: Physics 42, 71; 73 desirable. *Elective for senior honors students only. Second semester.*

## 79-80. HONORS COURSE. The Department.

4 credit hrs.

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work, to the extent of one-quarter of the student's time. Requisite: At least four semester courses in physics beyond Science 1, 2; one other course in advanced physics to be taken concurrently. *Elective for Seniors. First and second semesters.*

### Political Science

Professors LATHAM, LOEWENSTEIN, and SHERMAN;  
Associate Professor ZIEGLER;  
Mr. WAHLKE

*Note:* A major in political science consists of eight courses in political science, one of which must be 21 or 21S. Two courses may be in related subjects approved by the Department.

The honors program is designed to provide students with guidance through advanced work in political science, with full opportunity for independent research and writing. In addition to courses 21 (or 21S), 79, and 80, the Department expects that every honors candidate will have selected such courses as will enable him to pass a written comprehensive examination in the following fields: American Government and Politics; Comparative Government; International Law and Relations; and Political Theory. Honors candidates will also prepare a substantial thesis based upon independent research, upon which they will be examined orally.

## 21. AMERICAN GOVERNMENT. PROFESSOR ZIEGLER.

4 credit hrs.

An introduction to the major problems of American democracy; their political, economic, and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 21S. AMERICAN GOVERNMENT. PROFESSOR ZIEGLER.

4 credit hrs.

Same description as above. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

## 23. ELEMENTS OF MODERN POLITICS. PROFESSOR LOEWENSTEIN. 3 credit hrs.

A systematic introduction to the understanding of the political process in the modern world and an analysis of the interrelationship of state, government, and people in the formation and exercise of political power. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

## 24. PATTERNS OF GOVERNMENT. PROFESSOR LOEWENSTEIN. 3 credit hrs.

A comparative study of the functions, techniques, and institutions of political society as reflected by the different forms of states and government, with special emphasis on the theory and practice of contemporary democratic and autocratic government. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.  
PROFESSOR ZIEGLER.

A study of leading constitutional principles in the United States as interpreted by the courts. Attention is focused on a series of problems (due process, commerce, etc.) and the court cases examined and analyzed against the background of history, politics, economics, and personality surrounding them and out of which they grew. Designed for students who desire a nontechnical knowledge of the more important federal and state constitutional principles in the United States. Requisite: Political Science 21. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

## 27. POLITICAL PARTIES. MR. WAHLKE. 3 credit hrs.

The role of the people, parties and pressure groups in the politics of American democracy. Special attention to: the basic features of American Political parties, with European comparisons and contrasts; the work of politicians, bosses and machines; the running of election campaigns; the character and behavior of the electorate; the competition for power among business, labor, agriculture, and the other major organized interests in the community. Three hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1951-52.)*

41. THE ADMINISTRATION OF PUBLIC POLICY. 4 credit hrs.  
PROFESSOR LATHAM.

An introduction to the problem of bureaucracy in modern government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; functions of the executive; the management of money and people; the formulation of policy; and the behavior of rival bureaucracies—private and public. Four hours of classroom work per week. *Elective for Juniors. First semester.*



42. ADMINISTRATIVE LAW. PROFESSOR LATHAM. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

44. INTERNATIONAL LAW. PROFESSOR ZIEGLER. *4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

45. PROBLEMS OF POST WAR POLITICAL RECONSTRUCTION. *4 credit hrs.*  
PROFESSOR LOEWENSTEIN.

A pragmatic approach to the causes and manifestations of the present world revolution, focusing on the political transformation under way in the various states and on the correlation of social structure and political organizations. Major attention will be paid to important political documents. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to twenty-five students. First semester.*

46. THE ORGANIZATION OF THE INTERNATIONAL SOCIETY. *4 credit hrs.*  
PROFESSOR LOEWENSTEIN.

A study of the political, economic, and social forces shaping international relations and their attempted solutions through international organization, with special emphasis on the United Nations and other methods of international cooperation. The course will be geared as closely as possible to current developments on the international scene. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor; limited to twenty-five students. Second semester.*

48. PROBLEMS IN PUBLIC ADMINISTRATION. PROFESSOR LATHAM. *4 credit hrs.*

Selected topics in the politics of public administration. Requisite: Political Science 41. One two-hour classroom meeting a week. *Elective for Juniors with the consent of the instructor. Second semester.*

55. AMERICAN POLITICAL THEORY. MR. WAHLKE. *3 credit hrs.*

A survey of major ideological conflicts in American thought from colonial times to the present, with emphasis upon the evolving concept of

American democracy. Special attention to democratic and anti-democratic assumptions embodied in radical, liberal, conservative, and socialist theories of state and society as they have appeared in America. Where appropriate, the relation between American and European political theory will be considered. Alternates with Political Science 27. Three hours of classroom work per week. *Elective for Juniors with the consent of the instructor. First semester.*

57. HISTORY OF POLITICAL THOUGHT. PROFESSOR SHERMAN. 3 credit hrs.

A study of political thought from the Greeks to Rousseau. (Same course as History 57.) Three hours of classroom work per week. *Elective for Juniors. First semester.*

58. MODERN POLITICAL THEORY. MR. WAHLKE. 4 credit hrs.

The mainstream of political thought, European and American, in the nineteenth and twentieth centuries: Liberalism, conservatism, democracy, socialism, communism, fascism, the recent controversy over economic planning and economic reconstruction for democratic survival. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

71. PUBLIC OPINION.

*Elective for Seniors. First semester. (Omitted 1951-1952.)*

73-74. INTRODUCTION TO JURISPRUDENCE. 4 credit hrs.

Professor LOEWENSTEIN.

A critical examination of the origin, concept and ends of the law; the prominent legal concepts and schools of jurisprudence, and the prevailing forms of the legislative and judicial process, including a comparative analysis of the major systems of law. The course will stress the importance of law and justice as a part of human culture. Requisite: The consent of the instructor. Four hours of classroom work per week. *Elective for Seniors. First and second semesters. (Omitted 1951-1952.)*

79-80. HONORS COURSE. The Department. 4 credit hrs.

*Elective for Seniors who have satisfied the necessary requirements. First and second semesters.*

## Psychology

Professor KOESTER; Associate Professor COPLIN;  
Assistant Professor GROSE

Students majoring in psychology are required to elect Psychology 21 and twenty-six additional credit hours of work in psychology or a combination of eighteen hours in psychology and eight hours in related courses outside of the department.

Interdepartmental majors may be elected in psychology-biology and psychology-philosophy.

Honors work in the department consists of preparation for psychological research in the junior year and in the undertaking of a research project in the senior year in conjunction with a reading program designed to broaden the student's understanding of psychological principles and methods of investigation.

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21. INTRODUCTION TO PSYCHOLOGY. PROFESSOR KOESTER. *4 credit hrs.*

A psychological analysis of behavior and experience with special emphasis upon general principles and methods of psychological investigation. The following areas will be stressed: (1) introduction to psychological analysis; (2) the structural basis of activity; (3) sensory and perceptual processes; (4) motivation and emotion; (5) learning; (6) frustration, conflict, and adjustive behavior; (7) psychological testing; (8) introduction to the psychology of normal and abnormal personality and mental hygiene. Three class meetings and one laboratory session per week. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PSYCHOLOGY. PROFESSOR KOESTER. *4 credit hrs.*

Same course as Psychology 21. *Elective for Sophomores. Second semester.*

22. SOCIAL PSYCHOLOGY. PROFESSOR COPLIN. *4 credit hrs.*

An analysis of human behavior with emphasis upon social influences and effects. Three class meetings and one section meeting per week. *Requisite: Psychology 21. Elective for Sophomores. Second semester.*

24. DEVELOPMENTAL PSYCHOLOGY. PROFESSOR GROSE. *3 credit hrs.*

A study of the development of the most important aspects of behavior from birth to old age. The typical course of development and the factors which influence development are considered concurrently. Major emphasis is placed on problems of development in childhood and adolescence. Three class meetings per week. *Requisite: Psychology 21. Elective for Sophomores. Second semester.*

41. ABNORMAL PSYCHOLOGY. PROFESSOR COPLIN. *3 credit hrs.*

A study of the major classes of psychological disorder, based on experimental and clinical findings. Particular attention is given to the causes and underlying mechanisms of the various abnormalities. Three class meetings per week. *Requisite or corequisite: Psychology 21. Elective for Juniors. First semester.*

42. EDUCATIONAL PSYCHOLOGY. PROFESSOR KOESTER. *3 credit hrs.*

A psychological analysis of the educational process. The course is

designed both for the prospective teacher and those who have a general interest in the field of education. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

43. PSYCHOLOGICAL STATISTICS. Professor GROSE. 2 credit hrs.

An introduction to statistical techniques commonly used in psychological and educational research. Two class meetings per week. Requisite or corequisite: Psychology 21. *Elective for Juniors. First semester.*

44. PSYCHOLOGICAL TESTS AND MEASUREMENTS. 3 credit hrs.  
Professor GROSE.

An introduction to the basic principles of psychological tests and measurements used in research and in various areas of applied psychology. Attention will be given to the construction, administration, and interpretation of representative group and individual tests of intelligence, personality, aptitude, and achievement. Two class meetings and one laboratory session per week. Requisite: Psychology 21 and 43 (the latter may be taken as a corequisite). *Elective for Juniors. Second semester.*

46. PSYCHOLOGY OF PERSONALITY. Professor KOESTER. 3 credit hrs.

An advanced course in the study of the organization and development of human personality. One two-hour class meeting per week. Requisite: Psychology 21 and one additional 3- or 4-credit-hour course in psychology. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

47. EXPERIMENTAL PSYCHOLOGY. Professor GROSE. 4 credit hrs.

A study of experimental methods used in the analysis of behavior and of representative findings in important areas including sensory and perceptual processes, motivation, and learning. Three class meetings and one laboratory session per week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

51S. PSYCHOLOGICAL VIEWPOINTS AND THEORY. 3 credit hrs.  
Professor KOESTER.

A study of significant viewpoints concerning objectives and methods of psychological investigation and an analysis of important theoretical contributions to an understanding of behavior, experience, and personality, including a systematic survey of psychoanalytical concepts. Three class meetings per week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

## 70. JUNIOR HONORS. The Department.

2 credit hrs.

An introduction to techniques involved in undertaking a research project. The student will be expected to locate and define one or more research problems and prepare a written report on the background research related to the problems. Requisite: Psychology 21, 43, 47, and 51. *Elective for Juniors. Second semester.*

## 72S. MARRIAGE AND THE FAMILY. PROFESSOR KOESTER.

1 credit hr.

An introduction to marriage and the family with emphasis upon psychological, biological, and sociological findings. One class meeting per week. *Elective for Juniors. First semester.*

## 70-80. SENIOR HONORS. The Department.

4 credit hrs.

The student undertakes an individual research project. A substantial amount of preliminary data must be obtained during the first semester. The project is completed during the second semester. In addition, each student pursues a reading program designed to broaden his understanding of psychological principles and methods of investigation. Examinations based on the reading program are given at the conclusion of each semester. Requisite: Psychology 21, 43, 47, 51, and 60. *Elective for Seniors. First and second semesters.*

## *Public Speaking*

Professor GARRISON

*Note:* Public Speaking 42 and 44 may be elected by students who have not taken Public Speaking 41 and 43.

## 21. FUNDAMENTALS OF ORAL EXPRESSION.

1 credit hr.

Professor GARRISON.

One hour of classroom work per week. *Required of Sophomores. First semester.*

## 22. FUNDAMENTALS OF ORAL EXPRESSION.

1 credit hr.

Professor GARRISON.

One hour of classroom work per week. *Required of Sophomores. Second semester.*

## 41. EXTEMPORANEOUS SPEAKING; TECHNIQUES AND TYPES OF SPEAKING.

PSYCHOLOGY OF PERSUASION.

3 credit hrs.

Professor GARRISON.

Requisite: A grade of "B" in Public Speaking 21-22 and the consent of



the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. First semester. (Omitted 1951-52.)*

42. EXTEMPORANEOUS SPEAKING; TECHNIQUES AND TYPES OF SPEAKING.  
PARLIAMENTARY PROCEDURE. 3 credit hrs.  
Professor GARRISON.

A continuation of Public Speaking 41. Three hours of classroom work per week. *Elective for Juniors; limited to thirty students. Second semester. (Omitted 1951-52.)*

43. ARGUMENTATION AND THE FORMS OF PUBLIC ADDRESS. 4 credit hrs.  
Professor GARRISON.

A critical study of techniques effective in persuasion; oral and written composition. Requisite: A grade of "B" in Public Speaking 21-22 and the consent of the instructor. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. First semester.*

44. ARGUMENTATION AND THE FORMS OF PUBLIC ADDRESS. 4 credit hrs.  
Professor GARRISON.

A study of the application of behavioristic and Aristotelian techniques; oral and written composition. Three hours of classroom work per week. *Elective for Juniors; limited to fifteen students. Second semester.*

## *Religion*

Professor MARTIN; Mr. HUSTON

All courses in religion may count towards a major, which shall consist of Religion 21, 22, Religious Traditions of Western Culture, and six additional semester courses in religion or related studies approved by the Department.

Of these six additional courses at least three must be courses in religion, and it is recommended that they include Philosophy 43, 44, History of Philosophy.

Students definitely committed to a pre-theological course are not encouraged to major in religion, though they should take at least one basic course in the field.

Honors in religion shall consist of the Conference Course Religion 79, 80 taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the college; satisfactory performance in written comprehensive examinations on the history of religious traditions and on Bible, Philosophy of Religion, or Comparative Religion; and the



preparation and oral defense of a scholarly essay on a topic approved by the Department.

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21. RELIGIOUS TRADITIONS OF WESTERN CULTURE: BIBLICAL FOUNDATIONS, HISTORIC AND CONTEMPORARY JUDAISM. *4 credit hrs.*

Professor MARTIN and Mr. HUSTON.

Early Hebrew religion. The Hebrew prophets. Classics of post-exilic Judaism. Historic and contemporary Judaism. The life and teachings of Jesus. Extensive source readings in the Bible, lectures, and discussion groups. Occasional illustrative lectures by members of the Departments of Music and Fine Arts. This course can be taken to fulfill part of the sophomore Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. RELIGIOUS TRADITIONS OF WESTERN CULTURE: THE DEVELOPMENT OF CHRISTIAN TRADITIONS. *4 credit hrs.*

Professor MARTIN and Mr. HUSTON.

Greek and Roman Religion. The rise of the Christian church. Religion in the Middle Ages. The Reformation. Contemporary Catholicism and Protestantism. Extensive source readings in selected Christian classics: The New Testament, St. Augustine, St. Thomas Aquinas, Luther, Calvin, and others; lectures and discussion groups. Occasional illustrative lectures by members of the Departments of Music and Fine Arts. This course can be taken to fulfill part of the sophomore Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. ADVANCED STUDY OF THE BIBLE: TYPES OF OLD TESTAMENT LITERATURE. *3 credit hrs.*

A seminar study of the following types of Hebrew literature in their relation to developing Old Testament religion: history, law, poetry, wisdom literature, and fiction. Requisite: Previous work in Bible, or the consent of the instructor. Four hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. First semester. (Omitted 1951-52.)*

42. ADVANCED STUDY OF THE BIBLE: THE NEW TESTAMENT CHURCH. *3 credit hrs.*

The history of the church in the New Testament period, with intensive study of The Acts of The Apostles, Paul's letters, the Gospel of John, and Revelation. Requisite: Previous course work in Bible, or the consent of the instructor. Four hours of classroom work per week. *Elective for Juniors; limited to twenty-five students. Second semester. (Omitted 1951-52.)*

## 43. ADVANCED STUDY OF THE BIBLE: THE OLD TESTAMENT PROPHETS.

Mr. HUSTON.

3 credit hrs.

A study of the phenomenon of prophecy among the Hebrews, with special attention to the history of its development and its influence on Old Testament religion. Requisite: previous work in Bible, or consent of the instructor. Three hours of classroom work per week. *Limited to twenty-five students. Elective for Juniors. First semester.*

## 44. ADVANCED STUDY OF THE BIBLE: THE LIFE AND TEACHINGS OF JESUS.

Mr. HUSTON.

3 credit hrs.

A study of the gospel records of the life of Jesus, with an introduction to the major schools of gospel interpretation and consideration of the relevance of the teachings of Jesus. Requisite: previous work in Bible, or consent of the instructor. Three hours of classroom work per week. *Limited to twenty-five students. Elective for Juniors. Second semester.*

## 49. EASTERN RELIGIONS. PROFESSOR MARTIN.

3 credit hrs.

A comparative study of the major religious traditions of the East, with a consideration of the problems of cultural relationships between East and West. Requisite: Two semester courses in philosophy or religion. Three hours of classroom work per week. *Elective for Juniors. First semester.*

## 50. PHILOSOPHY OF RELIGION. PROFESSOR MARTIN.

3 credit hrs.

A systematic analysis of some of the major types and problems of religious philosophy. Requisite: Two semester courses in philosophy or religion. (Same course as Philosophy 50.) Three hours of classroom work per week. *Elective for Juniors. Second semester.*

## 79. CONFERENCE COURSE. The Department.

4 credit hrs.

Required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. First semester.*

## 80. CONFERENCE COURSE. The Department.

4 credit hrs.

Required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester.*

### Science

## 1A, 1B. SCIENCE. PROFESSORS BROWN and SOLLER in charge. 4 credit hrs.

A course in physical science and mathematics. A rather thorough treatment of selected topics will be made in order to give the student a better understanding of the principles, methods, and techniques of physical science. The material covered will include topics in mechanics, electricity,

and atomic physics. The concepts of energy and radiation and their application in related fields will be stressed.

In mathematics, topics from analytic geometry and calculus will be offered, selected in part to facilitate the physical exposition. Mathematics, 2 hours; Physical science, 2 hours; Laboratory, 2 hours. *Required for Freshmen. First semester.*

*Division A:*

The application of mathematical principles in describing and analyzing physical phenomena will be emphasized in this division.

*Division B:*

Concepts fundamental to physical science will be developed in a more qualitative manner.

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The assignment of students to Division A or B will be made by the Dean on the basis of the student's preparation in mathematics and physics, his mathematical aptitude score, and his stated interests. The divisions will be approximately equal in size.

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Staff: *Division A:* Professors BENSON, BREUSCH, BROWN, LINNELL, SOLLER, SPRAGUE, and STIFLER, and Mr. GOOD.

*Division B:* Professors BREUSCH, BROWN, FAIRBANK, LINNELL, and SPRAGUE, and Messrs. CROWELL and GOOD.

1C. SCIENCE. Professors GREEN and SINCLAIR in charge. *4 credit hrs.*

An integrated course in physical science and mathematics. Selected topics from trigonometry, analytic geometry, and the calculus are developed and carefully integrated with selected topics from the fields of astronomy, chemistry, and physics. No attempt is made to follow the classic orders of presentation of the individual subjects; instead, certain topics, common to all fields of science, are developed as thoroughly as possible at the freshman level and they are described in mathematical as well as purely descriptive terminology. Six hours of classroom work per week: lectures, recitations, and demonstration laboratories. *Required for Freshmen. First semester.*

2A, 2B. SCIENCE. *4 credit hrs.*

A continuation of Science 1A, 1B. Mathematics and physical science, 5 hours; Laboratory, 2 hours. *Required for Freshmen. Second semester.*

2C. SCIENCE. *4 credit hrs.*

A continuation of Science 1C. Seven hours of classroom work per week: lectures, recitations, and demonstration laboratories. *Required for Freshmen. Second semester.*

21. CHEMISTRY-BIOLOGY SEQUENCE. CHEMISTRY. 4 credit hrs.  
Professors BEEBE, WHITNEY, GRAHAME, TODD, and SINCLAIR.

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Special attention is given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

22. CHEMISTRY-BIOLOGY SEQUENCE. GENERAL BIOLOGY. 4 credit hrs.  
Professor KIDDER and Mr. YOST.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Four classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

- 23-24. EVOLUTION OF THE EARTH AND MAN. 4 credit hrs.  
Professors BAIN, GREEN, and WOOD, and Messrs. CROCKER and LEVINE.

A review of the evolution of the earth and the changing landscape, particularly in relation to the appearance and history of living organisms. This leads to a study of the appearance of the human line, and the evolution of man with his developing cultures. Four classroom hours and two hours laboratory work per week. (Same course as Biology 23-24.) *Elective for Sophomores. First and second semesters.*

42. HISTORY OF SCIENCE AND TECHNOLOGY. 3 credit hrs.  
Professor GREEN.

The development of scientific thought and method in the physical sciences, and the development of technology in physical science. Emphasis will be placed on the period from the fifteenth century to modern times. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1951-52.)*

## Spanish

Assistant Professor JOHNSON; Mr. IVENTOSCH;  
Assistants Mrs. FRAKER and Mr. CARDONA

*Note: Major with honors.* The honors major consists primarily in a program of extensive reading in the major authors of the last four centuries, and is intended also to provide a general knowledge of the development of Spanish literature since the end of the Middle Ages. Candidates will normally take the courses numbered 7, 8, 10, 21, 22, 24, 25, 26, and one other

course in Spanish literature. In exceptional cases and with the consent of the Department, a related course in another department may be substituted for the eighth course in Spanish. All course elections are made in consultation with a representative of the Department, and the course program may be adjusted in special cases. At the end of the final semester each candidate will take two three-hour examinations, one consisting mainly of essay questions (to one of which the answer must be written in Spanish), the other involving critical interpretation of text. Recommendations for the various grades of degree with honors will be made on the basis of (1) the honors examinations, (2) the student's general average in all his work in the department.

*Major for students not candidates for the degree with honors.* The major must include eight courses, not counting courses 1 and 3. Two of these eight courses may be approved related courses outside the Department.

*Combined major in two languages.* For a student whose primary language is Spanish, the major must include five courses in Spanish, not counting courses 1, 3 and 5; in the second language it must include ten credit hours, of which at least three must deal with literature.

*Requirements for Sophomores in Humanities.* The following courses are approved as satisfying the Humanities requirement in sophomore year: Spanish 7, 8, 22, 23, 24, 25, 26.

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1. ELEMENTARY COURSE.

4 credit hrs.

Professor JOHNSON; Mrs. FRAKER, and Mr. CARDONA.

Grammar, pronunciation, oral practice. This course will meet three hours per week for explanation and demonstration, and four hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE.

4 credit hrs.

Mr. IVENTOSCH; Mrs. FRAKER, and Mr. CARDONA.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Mr. IVENTOSCH.

4 credit hrs.

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*



## 5. ADVANCED COURSE.

4 credit hrs.

Mr. IVENTOSCH; Mrs. FRAKER and Mr. CARDONA.

Reading and analysis of selected texts. This course will meet three hours per week for explanation and demonstration, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted as far as possible in Spanish. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

## 5S. ADVANCED COURSE. Mr. IVENTOSCH.

4 credit hrs.

Same description as above. Requisite: A satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

## 7. INTRODUCTION TO HISPANIC LITERATURE: THE GOLDEN AGE.

Mr. IVENTOSCH and the Department.

4 credit hrs.

This course will meet five hours per week: three hours for the reading and discussion of some representative works and authors of the Golden Age. Two hours in small sections for oral and aural practice in the active use of the Spanish language. Requisite: Satisfaction of the language requirement. *Elective for Freshmen. First semester.*

## 8. INTRODUCTION TO HISPANIC LITERATURE: THE NINETEENTH CENTURY.

Mr. IVENTOSCH and the Department.

4 credit hrs.

This course will meet five times per week; three hours per week for reading and discussion of the principal romantic, realistic, and naturalistic authors; two hours per week in small sections for oral and aural practice in the active use of the Spanish language. Requisite: Satisfaction of the language requirement. The Department recommends that students planning to do further work in Hispanic literature take both Spanish 7 and Spanish 8. *Elective for Freshmen. Second semester.*

## 10. ADVANCED COMPOSITION AND CONVERSATION.

4 credit hrs.

The Department.

Practice in free composition and set translation into Spanish; oral reports on selected topics. This course is designed primarily for those who wish to perfect their command of Spanish for further study or for teaching the language. Requisite: Spanish 5 or the consent of the instructor. Three class and two laboratory hours per week. *Elective for Freshmen. Second semester in alternate years. (Omitted 1951-1952.)*

## 21. READINGS IN SPANISH LITERATURE SINCE 1800.

4 credit hrs.

Professor JOHNSON.

This course will meet three times a week to study approximately six



representative novels and plays and some poetry, and their relation to the main literary trends of recent times. Requisite: Spanish 7 or Spanish 8. *Elective for Sophomores. First semester in alternate years. (Omitted 1952-1953.)*

22. READINGS IN SPANISH AMERICAN LITERATURE SINCE 1800. 4 credit hrs.  
Professor JOHNSON.

This course will meet three times a week to study selected works of outstanding merit and their relation to the development of Spanish American culture. Requisite: Spanish 7 or Spanish 8. *Elective for Sophomores. Second semester in alternate years. (Omitted 1952-1953.)*

24. POETRY. Professor JOHNSON. 3 credit hrs.

This course will meet twice a week to read and discuss examples of Spanish verse. Particular emphasis will be placed upon Rubén Darío and the Modernistas. Requisite: Spanish 7 or Spanish 8. *Elective for Sophomores. Second semester in alternate years. (Omitted 1952-1953.)*

25. GOLDEN AGE PROSE, POETRY, AND DRAMA. 4 credit hrs.  
Professor JOHNSON.

This course will meet three hours per week for extensive reading in such authors as Juan Manuel, Garcilaso, Fray Luis de León, Quevedo, Góngora, Lope de Vega, Tirso de Molina, Calderón. Recommended for students planning to take the Cervantes course. Requisite: Spanish 7 or Spanish 8. *Elective for Sophomores. First semester in alternate years. (Omitted 1951-1952.)*

26. CERVANTES. Professor JOHNSON. 4 credit hrs.

This course will meet three hours per week to study the major prose works of Cervantes and their relation to the literature of the Golden Age. Emphasis on *Don Quijote de la Mancha*. Requisite: Spanish 25 or the consent of the instructor. *Elective for Sophomores. Second semester in alternate years. (Omitted 1951-1952.)*

42. ADVANCED READINGS IN SPANISH LITERATURE. 3 credit hrs.  
Professor JOHNSON.

The content of this course will be determined each year by the instructor in charge. Requisite: The consent of the instructor. *Elective for Juniors. Second semester in alternate years. (Omitted 1952-1953.)*

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### III

*Lectureships, Honors, Fellowships, Prizes  
and Awards*

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# Lectureships

## THE HENRY WARD BEECHER LECTURESHIP

This lectureship fund of \$10,000 was founded by the late Frank L. Bab-  
bott, LL.D., of the class of 1878, in honor of Henry Ward Beecher, of  
the class of 1834. The incumbent is appointed biennially by the Faculty  
for supplementary lectures in the departments of history and the political,  
social, and economic sciences.

## THE CLYDE FITCH FUND

A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch  
of New York in memory of their son, Clyde Fitch, of the class of 1886.  
The income of this fund is to be used for the furtherance of the study of  
English literature and dramatic art and literature. The whole or part of  
this income is usually devoted to the remuneration of an eminent lecturer,  
who may also take a part in the regular instruction of the College.

## THE JOHN WOODRUFF SIMPSON LECTURESHIP

A fund now amounting to \$189,900 was established in memory of John  
Woodruff Simpson, of the class of 1871, by his wife and daughter. The  
income is to be used for fellowships and "to secure from time to time, from  
England, France or elsewhere, scholars for the purpose of delivering lec-  
tures or courses of instruction at Amherst College."

## THE REYNOLDS FUND

A fund now amounting to somewhat more than \$125,000 was estab-  
lished by the late George W. Reynolds of the class of 1877. Part of the  
income is accumulated each year and added to the fund. The remainder  
is available for lectures at the College in the fields of religion and of science.

## THE CHARLES E. MERRILL LECTURESHIP

A fund of \$10,000 has been given by Charles E. Merrill of the Class of  
1908 for a series of lectures and formal discussions on applied economics.  
Upon delivery, these lectures become the property of Amherst College for  
publication.

As in previous college years, a number of Merrill Lecturers will be  
brought to the College during 1950-1951 from the fields of government,  
business, labor, and agriculture.

# Honors

## THE PHI BETA KAPPA SOCIETY

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

### *Officers*

*President:* PROFESSOR GEORGE B. FUNNELL, '24

*Vice-President:* HIRAM C. HAYDN, II, '28

*Secretary-Treasurer:* GEORGE M. WALLER, '41

*Undergraduate President:* ROBERT H. ROMER, '52

*Undergraduate Secretary-Treasurer:* WILLIAM ZIMMERMAN, JR., '52

### *First Election, Junior Class*

William Dorey Andrews  
David Melville Geller  
Gerald Williams Murphy  
Thomas Fowler Nelson

Francis Ballard Randall  
Robert Horton Romer  
Douglas Franklin Williamson, Jr.  
William Zimmerman, Jr.

### *Second Election, Senior Class*

Wallace Witmer Anderson, Jr.  
John Harvey Beebe  
Frederick Marsh Blanton  
Robert Bruce Campbell  
Edward Dante Coppola  
William Frederick Edwards  
Frederic Augustus Eustis, II  
Thomas Woodrow Gibbs  
Peter Harold Greene  
Andrew Hacker  
Charles Adams Hale  
Hugh Maxwell Hamill, Jr.  
James Thomas Harris  
Howard William Hock, Jr.  
Robert Ellsworth Ireland

John Everett Kirkpatrick  
Alan Veit Levy  
Charles Robert Longworth  
Donald Ambert Loos  
Richard Rowland Lower  
John Williams McGrath  
Llewellyn Merrick  
Floyd Samuel Merritt  
Richard Edward Myers  
Friedrich Werner Schulenburg  
Charles Alexander Tritschler  
Harold Ellis Tweeden  
Willard Travell Weeks  
Thomas H. Wyman  
Arthur Baker Yull

## THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. The Society has as one of its purposes to give recognition to those students, members of the faculty, and research associates who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability may be recommended to associate membership by the departments concerned. In the case of undergraduates, nomination will be given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).

*Officers*

*President:* Professor HAROLD H. PLOUGH, '13

*Vice-President:* Professor GEORGE W. BAIN

*Secretary-Treasurer:* Professor WILLIAM M. FAIRBANK

*Associate Members, 1950-1951*

David Babbott  
John Harvey Beebe  
Edward Holton Bensley  
John Edwin Christie  
Solomon Frederick Cushman, Jr.  
Richard Ford de Lima  
Thomas Henry George  
Peter Harold Greene  
Samuel Gross

William Bruce Hawkins, Jr.  
Robert Ellsworth Ireland  
Benjamin Newton Kightlinger  
Richard Rowland Lower  
Donald George McVicar, Jr.  
Tilford Day Miller  
Richard Ellsworth Nettleton  
Willard Travell Weeks  
Arthur Baker Yull



## THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and oratorical merit to deliver orations at the Class Day Exercises. The Bond Prize of one hundred dollars is awarded to the speaker who delivers the best oration.

*The Bond Fifteen, 1950-1951*

Edward Holton Bensley  
Frederick Marsh Blanton  
Edward Dante Coppola  
Richard Ford de Lima  
William Frederick Edwards  
Frederick Augustus Eustis, II  
George Nicholas Fehr, Jr.  
Peter Harold Greene  
William Bruce Hawkins, Jr.  
Robert Ellsworth Ireland  
Benjamin Newton Kightlinger  
Llewellyn Merrick  
Richard Ellsworth Nettleton  
Harold Ellis Tweeden  
John Marshall Woodbridge

## Fellowships

The College's funds for fellowships aggregate \$421,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before January seventh.

*The names of those to whom fellowships have been awarded for the current year will be found on page 14.*

### THE AMHERST MEMORIAL FELLOWSHIPS FOR THE STUDY OF SOCIAL, ECONOMIC, AND POLITICAL INSTITUTIONS

A fund of \$99,100 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

## THE HENRY P. FIELD FELLOWSHIPS

Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

## THE EDWARD HITCHCOCK FELLOWSHIP

The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

## THE ROSWELL DWIGHT HITCHCOCK MEMORIAL FELLOWSHIP

A fund of \$7200, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

## THE RUFUS B. KELLOGG UNIVERSITY FELLOWSHIP

The income from a fund of \$47,200 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or, with the approval of the said Faculty, at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending.

#### THE EDWARD POOLE LAY FELLOWSHIP

A fund of \$29,500, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922. The income from the fund provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

#### THE FORRIS JEWETT MOORE FELLOWSHIPS

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$19,300, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate and desires to engage in further study of that subject, preference to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$13,300, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate and desires to engage in further study of that subject.

3. A fund of \$16,000, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of philosophy while an undergraduate and desires to engage in further study of that subject.

## THE GEORGE A. PLIMPTON FELLOWSHIPS

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936 and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

## THE SHERMAN PRATT FACULTY FELLOWSHIPS FOR STUDY ABROAD

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in teaching and scholarship and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

## THE JOHN WOODRUFF SIMPSON FELLOWSHIPS AND LECTURESHIPS

A fund now amounting to \$189,400 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors are as follows:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere



scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

FELLOWSHIPS AWARDED BY THE AMERICAN SCHOOLS OF CLASSICAL  
STUDIES AT ATHENS AND ROME

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.



## Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications.

### *Art*

*THE ANNA BAKER HEAP PRIZE*, from the income of a fund of \$1,400, established by the late Arnold N. Heap of the class of 1873; \$60 is awarded to that Senior who submits the best essay in the field of "Art."

WILLIAM FRANCIS INSLEY, '51

### *Biology and Geology*

*THE HARVEY BLODGETT SCHOLARSHIP*, from the income of a fund of \$2,200, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases: combined with

*THE PHI DELTA THETA SCHOLARSHIP*, from the income of a fund of \$500, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

Divided equally between

PETER HAROLD GREENE, '51

MALCOLM SAUL STEINBERG, '52

(The two preceding scholarships usually are combined and awarded as one. The award for 1951-52 will be \$120.)

### *Chemistry and Medicine*

*THE HOWARD WATERS DOUGHTY PRIZE*, from the income of a fund of \$1000, given anonymously; \$45 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

DAVID MELVILLE GELLER, '52

*THE FRANK FOWLER DOW PRIZES*, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; \$300 is awarded to a member or members of the junior or senior class preparing

to enter medical school, and whose undergraduate work indicates a career of usefulness and distinction in medicine.

Divided equally between  
BENJAMIN NEWTON KIGHTLINGER, '51  
WILLIAM TRAVELL WEEKS, '51

### *Dramatics*

*THE RAYMOND KEITH BRYANT PRIZE*, an annual gift of \$25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

RAYMOND ARTHUR MACDONNELL, '52

### *Economics*

*THE W. T. AKERS, JR. PRIZE*, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that member of the junior or senior class who has, in the opinion of the economics department, written and submitted the best paper on some topic connected with insurance.

FRANCIS EDWARD RUSSELL, '51

### *English*

*THE ARMSTRONG PRIZE*, from the income of a fund of \$2,400, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of \$55 to members of the freshman class who excel in composition.

Divided equally between  
DAVID FRANKLIN LUNDEEN, '54  
STEPHEN CARR WHITMORE, '54

*THE COLLIN ARMSTRONG POETRY PRIZE*, from the income of a fund of \$2,400, established in part by Mrs. Elizabeth H. Armstrong; \$55 is awarded to the undergraduate author of the best original poem or group of poems.

Divided equally between  
EDWARD CULVER SHAW, '52  
PHILLIP CHARLES FLAYDERMAN, '52

*THE JOHN FRANKLIN GENUNG PRIZE*, of \$50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

PETER MALOTT CARNAHAN, '52

*THE HARRY RICHMOND HUNTER, JR. PRIZE*, from the income of a fund of \$1,300, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; \$50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

JAMES BALLARD TOTTEN, '53

*THE RALPH WALDO RICE PRIZE*, from the income of a fund of \$1,400, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; \$60 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

No award

### *Greek*

*THE WILLIAM C. COLLAR PRIZE*, from the income of a fund of \$1,300 established by the late William C. Collar of the class of 1859; \$55 is awarded to that member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

Divided equally between

RICHARD MOWBRAY HAYWOOD, '54

JAMES WALKER PEARSON, '54

*THE HUTCHINS PRIZE*, from the income of a fund of \$1,300, established by the late Waldo Hutchins of the class of 1842; \$55 is awarded to the best scholar in Greek at the end of the junior year. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

KARL CADEM LEMP, '52

*THE HARRY DE FOREST SMITH SCHOLARSHIP*, of \$550, is awarded to a member of the freshman class enrolled in one of the regular courses in the department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his

entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship.

WILLIAM WALLACE CROOK, '55

### *Journalism*

*THE SAMUEL BOWLES PRIZE*, from the income of a fund of \$3,300 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of \$150 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

Divided equally between

ANDREW HACKER, '51

JOHN STEWART LANCASTER, '51

### *Latin*

*THE FRESHMAN PRIZE*, part of the income of an anonymous fund of \$1,900; two prizes of \$30 and \$20 are awarded for the highest scholarship in the Latin courses of the freshman year.

First Prize

EDWIN GAYLORD WARNER, II, '54

Second Prize

HUGH REBER SILBAUGH, JR., '54

*THE BILLINGS PRIZES*, from the income of a fund of \$1,200, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of \$30 and \$20 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

First Prize

RICHARD EDWARD MYERS, '51

Second Prize

NATHANIEL ROGERS DICKINSON, '53

*THE JUNIOR PRIZE*, part of the income of an anonymous fund of \$1,900; a prize of \$35 is awarded to the student who, together with attaining a high average in the Latin courses of the Junior Year, presents the best essay on some approved topic connected with the junior Latin course.

ERWIN SCHOLZ, '53

*THE BERTRAM PRIZES*, from the income of a fund of \$1,800, established by the late John Bertram of Salem; two prizes of \$45 and \$35 each are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

First Prize

LLEWELLYN MERRICK, '51

Second Prize

ROBERT CHUN MINN, '51

*Mathematics, Physics, and Astronomy*

*THE PORTER PRIZES*, from the income of a fund of \$550, established by the late Eleazer Porter of Hadley; two prizes of \$12 each are awarded for proficiency in first year physics and astronomy respectively.

*Physics*

JON KENNETH ROSENTHAL, '54

*Astronomy*

No award

*THE WALKER PRIZES*, part of the income of a fund of \$6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of \$50 and \$25 are awarded for proficiency in mathematics of the first year, and two prizes of \$75 and \$35 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

*First Year*

First Prize

RODERICK GOULD, '54

Second Prize

ROBERT EDWIN BAUSER, '54

*Second Year*

First Prize

WILLIAM DAVID SLAWSON, '53

Second Prize

No award

*Philosophy and Religion*

*THE MOSELEY PRIZES*, from the income of a fund of \$7,100, established by the late Thomas W. H. Moseley of Hyde Park; two prizes of \$210

and \$110 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

First Prize

ROBERT SMITH COWPERTHWAIT, JR., '51

Second Prize

ROBERT EDWARD NEALE, '51

*Physical Education*

*THE SAWYER PRIZES*, from the income of a fund of \$1,800, established by the late Edmund H. Sawyer, hon. 1878; \$80 is available for prizes for excellence in the department of Physical Education.

*Senior Class*

PAUL GOULD SCHLESSINGER, '51

*Sophomore Class*

DWIGHT HILLS DAMON, '53

*Political Science*

*THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE*, of \$100, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. In 1950-51 the award will be made to the student submitting the best honors thesis in Political Science.

ANDREW HACKER, '51

*Public Speaking*

*THE BANCROFT PRIZES*, of \$170 and \$100, from the income of a fund of \$6,000 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

First Prize

ANDREW HACKER, '51

Second Prize

THOMAS HUNT WYMAN, '51

*THE BOND PRIZE*, from the income of a fund of \$2,200 established by the late Ephraim W. Bond of the class of 1841; \$100 is awarded for the best production spoken at the Senior Chapel service. The award is de-



terminated by a committee appointed by the Trustees upon nomination by the Faculty.

RICHARD ELLSWORTH NETTLETON, '51

*THE HARDY PRIZES*, from the income of a fund of \$1,100, established by the late Alpheus Hardy of Boston; prizes of \$30 and \$20 are awarded for excellence in extemporaneous speaking.

First Prize

ANDREW HACKER, '51

Second Prize

ROBERT MANGUM CORNISH, '51

*THE KELLOGG PRIZES*, from part of the income of a fund of \$47,200, established by the late Rufus B. Kellogg of the class of 1858; two prizes of \$60 each are awarded, one to a member of the sophomore class and one to a member of the freshman class, for excellence in declamation.

*Sophomore Class*

RICHARD MILLER EARLE, '53

*Freshman Class*

DAVID REUBEN GOLDBERG, '54

*THE ROGERS PRIZE*, from the income of a fund of \$1,100, given by Noah C. Rogers of the class of 1880; \$50 is awarded to a member of the junior class for excellence in debate.

Divided equally between

THOMAS FOWLER NELSON, '52

FRANCIS BALLARD RANDALL, '52

### *Scholarship and Citizenship*

*THE ADDISON BROWN SCHOLARSHIP*, from the income of a fund of \$5,800, established by the late Addison Brown of the class of 1852; \$260 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

DOUGLAS FRANKLIN WILLIAMSON, JR., '52

*THE SAMUEL WALLEY BROWN SCHOLARSHIP*, from the income of a fund of \$5,800, established by the late Samuel Walley Brown of the class of 1866; \$260 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

DONALD RICHARD FINBERG, '53

*THE FRANK A. HOSMER SCHOLARSHIP*, from the income of a fund of \$14,500 established by Frank A. Hosmer of the class of 1875; \$600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

DONALD FERGUSON WINTER, '54

*THE PORTER ADMISSION PRIZE*, from the income of a fund of \$1,100, established by the late Eleazer Porter of Hadley; \$50 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

ANDREW SCOTT LEBOR, '55

Wyoming High School, Cincinnati, Ohio

The Taft School, Watertown, Conn.

*THE PSI UPSILON PRIZE*, from the income of a fund of approximately \$4,600, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; \$175 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be, in the terms of the Ancient Athenian oath,\* the "first citizen" of the College.

HUGH MAXWELL HAMILL, JR., '51

*THE JOHN SUMNER RUNNELLS MEMORIAL*, from the income of a fund of \$5,900, established in memory of John Sumner Runnells of the class of 1865; \$265 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preëminent in his zeal for knowledge and industry to attain it.

WILLIAM DAVID SLAWSON, '53

\* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

*OBED FINCH SLINGERLAND MEMORIAL PRIZE*, from the income of a fund of approximately \$5,100 established by an anonymous donor; \$230 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education; the award to be based upon demonstrated achievement with full consideration given to the external handicaps, financial and otherwise, under which his record was attained; in case of uncertainty the Trustees are to be guided by the example set by Obed Finch Slingerland.

FRANK HARRIS MAGEE, JR., '52

*THE STANLEY V. and CHARLES B. TRAVIS PRIZE*, from the income of a fund of \$2,300, established by the late Charles B. Travis of the class of 1864; \$105 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Divided equally between

EDWARD HOLTON BENSLEY, '51

JOHN WILLIAMS McGRATH, '51

*THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY*, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son, Charles Denton Treadway, awarded to that fraternity or the group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

THE LORD JEFFERY AMHERST CLUB

*THE WOODS PRIZE*, an annual gift of \$60 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Divided equally between

EDWARD HOLTON BENSLEY, '51

JOHN WILLIAMS McGRATH, '51

### *Other Prizes*

*THE ASHLEY MEMORIAL TROPHY*, given by Homans Robinson of the class of 1916 in memory of Thomas W. Ashley of the class of 1916 who was killed in action at Bellau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a com-

mittee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

MARCUS MUNSILL, '51

*THE HOWARD HILL MOSSMAN TROPHY*, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

JOHN WILLIAMS MCGRATH, '51

*THE LINCOLN LOWELL RUSSELL PRIZE*, from the income of a fund of \$1,100 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; \$50 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

JOHN HARDEE BAKER, '51

## Degrees Conferred October 28, 1950

### BACHELOR OF ARTS

#### *Rite*

Harold Hamblin Bracher, Jr.  
Arthur Burdette Church, Jr.  
Robert Edward Johnson, Jr.  
Douglas Lee Miller  
Samuel Hamilton Porter

## Degrees Conferred January 27, 1951

### BACHELOR OF ARTS

#### *Rite*

Calvin Alpheus Stanfield, Jr.  
Robert Raschig Vance, Jr.

## Degrees Conferred April 14, 1951

### BACHELOR OF ARTS

#### *Rite*

John Huddleston Cross  
Robert Jerome Greaney, Jr.  
George Hall Grimes  
Robert French Johnston  
Francis Taylor Pearsons Plimpton, Jr.  
Wesley Eugene Trefzger  
Earl Hamilton Westcott



# Degrees Conferred June 10, 1951

## BACHELOR OF ARTS

### *Summa cum Laude*

Edward Holton Bensley

*Mathematics*

George Nicholas Fehr, Jr.

*History*

William Bruce Hawkins, Jr.

*Physics*

Benjamin Newton Kightlinger

*Biology*

Richard Ellsworth Nettleton

*Mathematics*

### *Magna cum Laude*

John Harvey Beebe

*Geology*

Robert Bruce Campbell

*History*

Edward Dante Coppola

*Biology*

Robert Smith Cowperthwaite, Jr.

*Philosophy*

Richard Ford de Lima

*Chemistry*

William Frederick Edwards

*German*

Frederic Augustus Eustis, II

*History*

Thomas Woodrow Gibbs

*History*

Peter Harold Greene

*Mathematics*

Andrew Hacker

*Political Science*

Charles Adams Hale

*History*

Hugh Maxwell Hamill, Jr.

*American Studies*

James Thomas Harris

*Political Science*

Howard William Hock, Jr.

*Dramatic Arts*

Robert Ellsworth Ireland

*Chemistry*

John Everett Kirkpatrick

*American Studies*

Alan Veit Levy

*Economics*

Charles Robert Longworth

*American Studies*

Donald Ambert Loos

*Political Science*

Richard Rowland Lower

*Biology*

John Williams McGrath

*Economics*

Llewellyn Merrick

*Latin*

Floyd Samuel Merritt

*English*

Richard Edward Myers

*History*

Friedrich Werner Schulenburg <i>American Studies</i>	John Marshall Woodbridge <i>English</i>
Willard Travell Weeks <i>Chemistry</i>	Thomas Hunt Wyman <i>English</i>
	Arthur Baker Yull <i>Chemistry</i>

*Cum Laude*

Philip Franklin Alexander <i>English</i>	Richard Lewis Epstein <i>Political Science</i>
Wallace Witmer Anderson, Jr. <i>History</i>	Thomas Henry George <i>Physics</i>
David Babbott <i>Biology</i>	Samuel Stanton Greene <i>Mathematics</i>
John Thomas Booth <i>History</i>	Robert Marshall Haven <i>Philosophy</i>
Ellison Stanley Burton <i>Mathematics</i>	George Willard Hunt <i>American Studies</i>
Thomas Dixon Bushman <i>Economics</i>	William Francis Insley <i>Fine Arts</i>
John Edwin Christie <i>Mathematics</i>	Raymond Burr Jones <i>Economics</i>
Everett Ellis Clark <i>Economics</i>	Philip Poliner Kalodner <i>Philosophy</i>
Donald Smith Cohan <i>American Studies</i>	John Flint Keydel <i>Economics</i>
Julian Darst Conover, Jr. <i>Economics</i>	Clark Chapman King, Jr. <i>Political Science</i>
Mercer Cook, III <i>French</i>	Robert Eugene Lindemann <i>Economics</i>
Paul Francis Coon <i>American Studies</i>	Samuel Lord, Jr. <i>Political Science</i>
Arthur Samuel Crowe, Jr. <i>Economics</i>	Donald George MacVicar, Jr. <i>Geology</i>
Edmund Holcombe Damon <i>Religion</i>	Charles McAlister Marshall <i>English</i>
John Sigler Davis <i>American Studies</i>	John Barlow Martin <i>History</i>
Alan Chase Donaldson <i>Geology</i>	Adolphus Gustavus Meier, Jr. <i>Economics</i>
Henry Eisner <i>Biology</i>	Robert Edward Neale <i>Religion</i>

William Alexander Neill

*Chemistry*

William Deming Nichols

*Political Science*

John Daniel Olds

*Physics*

Raymond Carl Petersen

*Chemistry*

David Huston Pottenger, II

*History*

Donald Howard Powers, Jr.

*Chemistry*

William Crossley Purdy

*Chemistry*

Robert Wilbur Sandstedt

*Mathematics*

William Matheson Schlangen

*History*

Daniel Benedict Schwarzkopf

*Physics*

Harold Griffith Sutton, Jr.

*Biology*

Charles Kirkland Taft

*Mathematics*

Charles Alexander Tritschler

*English*

Jon Van Winkle

*Chemistry*

### *Rite*

Harry John Ahleim, Jr.

Leland Christy Allen, Jr.

Frank Judah Alpert

Frederic Bermingham Asche, Jr.

John Hardee Baker

James Donald Baldwin

Prentice Kissam Bancroft

Harry Craig Bell

Hubert Waldo Bell

Nesbitt Chambers Blaisdell

Dean Blanchard, Jr.

Frederick Marsh Blanton

Thomas Harold Bloor

Granville Harmon Bourne, Jr.

Fredson Thayer Bowers

Kenneth Drennen Bowman

Allen Gilbert Brailey, Jr.

Robert Todd Breckenridge

Donald John Cameron

Glenn Frisbee Card, Jr.

Michael Edmund Carnahan

George Baton Carpenter, Jr.

Forrest Nathaniel Catherman, Jr.

Charles Fisher Chapin

Frederik Burr Christensen

Robert Fitz Randolph Church

Charles Holbrook Cleminshaw

Robert James Conway

John Lee Coppie, Jr.

Robert Manguum Cornish

Robert Ralph Crump

William Barton Cummings, Jr.

Richard Edwin Dake

Russell Howe Damon

Albert Satterthwait Deichmiller

Louis Edward de la Haba

Walter Weill DeMelman, Jr.

Richard David Denison

James Douglas, Jr.

William Dart Dunbar

Richard Bevier Duncan

John Sinclear Edinger

John Tally Edmonds

Herbert Adolph Erf, Jr.

Dean Lowndes Evans

Theodore Ferguson Fowler, Jr.

John Jones Frautschi

Charles Frederick Frey

Robert Walter Fritz

Noel Clarke Fritzingier

Reginald Radcliffe Frost, Jr.

David Campbell Fulton

Leslie Neiland Gallagher  
William Albert Gallup, Jr.  
Harry Clark Garvin  
Jerome Paul Gavin  
Earl Ewart Gesler, Jr.  
Ralph F. Gildehaus, Jr.  
James Henry Glenn, III  
Robert Frederick Groff, Jr.  
George Allan Grover  
Danny Davis Gustafson  
William Lippincott Hanaway, Jr.  
Martin Luther Hartmann, Jr.  
Dwight Jeffery Hartzell  
Edward Carlin Haynes, Jr.  
William Webster Heath  
Gary Holman  
Benn Starr Holroyd, Jr.  
Harvey Childs Hopkins, Jr.  
Richard Appleton Hopkins  
Stuart Whitmore Hopkins  
George Estel Horney, Jr.  
Leslie Price Hunneman  
Walter Jacobus Hunziker, Jr.  
David Lee Hutchinson  
Geoffrey Gordon Jackson  
Bernard Jacobson  
George William Jourdian  
Robert Lawrence Kane  
Robert Hugo Kaupe  
Edward Brooks Keffer, Jr.  
Ralph John Keltie, Jr.  
John Plimpton Kendall  
Byong-Kuk Kim  
Philip Duncan Knowles  
Robert Courtland Knowles  
William Fullam Krusell  
John Stewart Lancaster  
Drew Purves Langhauser  
Horace Euclid Laprade  
Thomas Ming-Lung Lee  
Robert Lewis Leeds, Jr.  
Robert Earl LeLievre  
Allan Stuart Lerner

Arthur Tate Lichtenberger  
Thomas Edward Lieberman  
Theodore Meung-Chi Liu  
Alexander Flick Lobrano  
Frederick Leroy Luddy  
Donald Parker McEwan  
William Edward Maloney  
Harrington Emerson Manville  
Stuart Eugene Methven  
Stephen Cotter Miller  
Robert Chun Minn  
Robert Wilson Minter  
Alva Moog, Jr.  
Leonard Brown Moore  
Alvertus Jackson Morse  
Marcus Munsill  
Cheser Lawrence Naiman, Jr.  
Peter Kip Nichols  
Frederic Thomas Nugent  
Lester Nichols Odams, Jr.  
Donald Newton Osborn  
Judson Aspinwall Parsons, Jr.  
Max Philip Pepper  
Willard Weed Pierce  
Robert Bruce Pirie, Jr.  
William Leonard Plunkett  
John Edwin Purcell  
Donn Spalding Randall  
William Arthur Raynor, Jr.  
David Disney Reed  
Edward Francis Regan, Jr.  
David Peter Rowland  
Robert James Runser  
Francis Edward Russell  
George Anderson Scanlan, Jr.  
Richard Ansell Schatz  
Paul Gould Schlessinger  
Lee Nelson Shaw  
David Frederick Sheldon  
James Arthur Shera  
Donald Norman Sibley  
George Northrup Simpson, Jr.  
Henry Keith Simpson

Franklin Jules Singer	Robert Luce Tooker
Robert Kiley Slote	Allan Willard Tull
Donald William Smith	Harold Ellis Tweeden
Frederick Burton Smith, Jr.	John Leonard VandeVate
Richard Wallace Snodgrass	Hans Vest
Gerald Joralemon Snow	John Richmond Walker
Robert Donald Stecker, Jr.	William Venard Wallace, Jr.
William Stopford	George William Waterman
Thomas Cummings Sweitzer	John Waterman
Bennet Allan Taylor	Samuel Mead Watson
Arthur Perry Thies	Hugh Wells, Jr.
Harry Amos Thomas	Thomas J. Weyl, II
John Edward Thompson	George Fowler Whiting
Harleigh Van Slyck Tingley, Jr.	Henry Archer Williams, II
Charles Worth Tober	

## Degrees Conferred October 20, 1951

### BACHELOR OF ARTS

#### *Rite*

Robert Bruce Hawkins  
 Frederick John Lepley  
 James Stevens Robinson  
 Arthur William Warde

### MASTER OF ARTS

Albert Gareth Alderton  
 Samuel Gross  
 Alden Barker Hall  
 Vernon Leland Ingraham  
 Tilford Day Miller

# Honorary Degrees Conferred June 10, 1951

## MASTER OF ARTS

Henry Phillips, Jr.  
Frederick James Woodbridge

## DOCTOR OF SCIENCE

Robert Sessions Woodworth

## DOCTOR OF HUMANE LETTERS

William Goodwin Avirett

## DOCTOR OF DIVINITY

Roger Hazelton

## DOCTOR OF LAWS

Spencer Miller, Jr.  
Randolph Evernghim Paul  
Walter Bedell Smith

# Medals for Eminent Service Awarded June 10, 1951

Oliver Boutwell Merrill, Jr., 1925  
Frederick Sewall Bale, 1906



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## IV

### *Enrollment*

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# Enrollment

## FALL SEMESTER

1951-1952

### Graduate Students

Berkowitz, Harold  
Cardona, Silvino  
Fitzpatrick, Mary Alice  
Fritzinger, Noel Clarke  
Haurowitz, Martin  
Kelley, Dana Robineau  
Levine, Elizabeth E.  
Liversage, Richard Albert  
Mealand, Geoffrey Conklin  
Miller, Leo Joseph  
Steadman, Evan Thomas  
Young, William Johnson, II

*Highland Park, N. J.*  
*Manizales, Colombia*  
*Shutesbury, Mass.*  
*Lewiston Heights, N. Y.*  
*Bloomington, Ind.*  
*Amherst, Mass.*  
*Amherst, Mass.*  
*Fitchburg, Mass.*  
*Shaker Heights, Ohio*  
*Grand Junction, Colo.*  
*Amherst, Mass.*  
*Georgetown, Mass.*

### Senior Class

Aldridge, Richard Boughton  
Allen, Edward Warren  
Allen, Frederick Stetson  
Anderson, Clifford Dean  
Andrews, William Dorey  
Arndt, Robert Ewins Sumner  
Aurand, Calvin William, Jr.  
Bacon, Benjamin Wilson  
Baker, Donald Leon  
Baker, Philip Morrill  
Barber, Robert Cushing  
Barnett, Albert E.  
Baron, Harold Maurice  
Bartow, Francis Allen, Jr.  
Bauer, Rudolph Wilhelm  
Baum, Axel Helmuth  
Bedford, Henry Frederick  
Beeching, Charles William  
Bennett, Derickson Waples  
Bethke, Philip Martin  
Biermann, Charles  
Bonta, David

*New York, N. Y.*  
*Westfield, N. J.*  
*Philadelphia, Pa.*  
*Glen Ridge, N. J.*  
*Pelham Manor, N. Y.*  
*St. Davids, Pa.*  
*Des Moines, Iowa*  
*North Haven, Conn.*  
*New York, N. Y.*  
*Boston, Mass.*  
*Windsor, Conn.*  
*New York, N. Y.*  
*University City, Mo.*  
*Bryn Mawr, Pa.*  
*Rothenburg, Germany*  
*Westfield, N. J.*  
*Middlebury, Vi.*  
*Springfield, Pa.*  
*Merion, Pa.*  
*Santa Barbara, Calif.*  
*Hinsdale, Ill.*  
*Verona, N. J.*

Bowmer, John Vance	<i>Buffalo, N. Y.</i>
Boyle, Christopher George	<i>Santa Monica, Calif.</i>
Bradley, Donald Alson	<i>Amherst, Mass.</i>
Brayer, George Sheldon	<i>Rochester, N. Y.</i>
Bristol, Ralph Buffum, Jr.	<i>Laconia, N. H.</i>
Brown, Norman Kingsbury	<i>Buffalo, N. Y.</i>
Brunie, Charles Henry, Jr.	<i>Pelham, N. Y.</i>
Bruning, Edwin Cope	<i>Scarsdale, N. Y.</i>
Bucher, John Maxwell, Jr.	<i>Pelham N. Y.</i>
Bukovnik, John Anton	<i>Cleveland, Ohio</i>
Burleigh, William Porter, Jr.	<i>Fitzwilliam, N. H.</i>
Burnett, Howard Jerome	<i>Holyoke, Mass.</i>
Cabour, Michel	<i>Paris, France</i>
Carnahan, Peter Malott	<i>Orchard Park, N. Y.</i>
Carty, James Arthur	<i>Detroit, Mich.</i>
Carus, Stephen	<i>Chicago, Ill.</i>
Casey, George Rhoads	<i>Easton, Pa.</i>
Chace, William McDermott	<i>Forest Hills, N. Y.</i>
Clark, Jerome Hatton	<i>Darien, Conn.</i>
Clarke, Richard Warner, Jr.	<i>Katonah, N. Y.</i>
Cobau, Charles Duffy	<i>New Castle, Pa.</i>
Coldwell, Robert Sharpless	<i>Bronxville, N. Y.</i>
Connington, Charles Simpson, Jr.	<i>Worcester, Mass.</i>
Cooper, Neil Stephen	<i>East Orange, N. J.</i>
Corsiglia, George Frederic	<i>Greenfield, Mass.</i>
Craig, James Wallace, Jr.	<i>North Marshfield, Mass.</i>
Crane, Langdon Teachout, Jr.	<i>Bloomfield Hills, Mich.</i>
Cross, Gorham Lamont, Jr.	<i>Cambridge, Mass.</i>
Cummings, David Gale	<i>Whippany, N. J.</i>
Daniels, John Chase	<i>Pawling, N. Y.</i>
Darrow, Robert Arnold	<i>Solvay, N. Y.</i>
Davidson, Robert Louis	<i>Waterford, Conn.</i>
Davis, Benjamin Charles, Jr.	<i>Watertown, Mass.</i>
Davis, Lee Washington	<i>Summit, N. J.</i>
Delafield, George Selwyn, Jr.	<i>Montclair, N. J.</i>
de St. Blanquat, José Gerard de Lingua	<i>Tours, France</i>
Dickinson, John Ingram	<i>Atlanta, Ga.</i>
Dingley, Richard Marshall	<i>Floral Park, L. I., N. Y.</i>
Douthett, William LeVerne, Jr.	<i>Pleasantville, N. Y.</i>
Druskin, Malcolm Stuart	<i>Brooklyn, N. Y.</i>
Earnshaw, Thomas Marvin	<i>Philadelphia, Pa.</i>
Eastman, Hal Pond, Jr.	<i>Bronxville, N. Y.</i>
Eckardt, Stephen Alfred	<i>Newton Highlands, Mass.</i>

Elder, Richard Thomas	<i>Great Neck, N. Y.</i>
Elliott, Thompson Hayes	<i>Walla Walla, Wash.</i>
Ellis, Arthur Linwood, III	<i>Plymouth, Mass.</i>
Ellis, John Ogborn	<i>Athens, Ga.</i>
Elton, Richard Cogswell	<i>Ancon, Canal Zone</i>
Engelsman, Ralph Gustave, Jr.	<i>New York, N. Y.</i>
Epstein, Marc Irwin	<i>New York, N. Y.</i>
Esty, Edward Greene	<i>Pawtucket, R. I.</i>
Evans, George Monroe	<i>Reading, Pa.</i>
Evans, Nicholas Monsarrat	<i>Columbus, Ohio</i>
Fairman, James Ferdinand, Jr.	<i>Brooklyn, N. Y.</i>
Feinberg, Joel Martin	<i>New York, N. Y.</i>
Fernald, L. Dodge, Jr.	<i>Longmeadow, Mass.</i>
Fernandez, James William, Jr.	<i>Oak Park, Ill.</i>
Fink, Leonard A.	<i>Larchmont, N. Y.</i>
Fisher, Howard McClure	<i>Wyomissing, Pa.</i>
Fitzpatrick, Robert Thomas, Jr.	<i>Stafford Springs, Conn.</i>
Flayderman, Phillip Charles	<i>Kennebunk, Maine</i>
Frary, Richard Dexter	<i>Barrington, R. I.</i>
Friedrichs, James Joseph	<i>Woonsocket, R. I.</i>
Fuller, Robert Catlin	<i>Scarsdale, N. Y.</i>
Furlow, Leonard Thompson, Jr.	<i>St. Louis, Mo.</i>
Gardner, Emerson	<i>Chevy Chase, Md.</i>
Gardner, Glenn Gibson	<i>Estes Park, Colo.</i>
Geithner, Paul Herman, Jr.	<i>Philadelphia, Pa.</i>
Geller, David Melville	<i>Oak Park, Ill.</i>
Gilligan, James Price	<i>Yonkers, N. Y.</i>
Gonzales, Julius Joseph	<i>Waterbury, Conn.</i>
Granger, Stephen Ireland	<i>Bethesda, Md.</i>
Greene, Norvin Gair	<i>New York, N. Y.</i>
Greene, Richmond Kent	<i>West Hartford, Conn.</i>
Greene, Timothy Whiting	<i>Springfield, Mass.</i>
Greenebaum, John Samuel	<i>Louisville, Ky.</i>
Guenther, George Carpenter	<i>Reading, Pa.</i>
Gyger, David Elliott	<i>Portland, Maine</i>
Hall, Gordon, III	<i>Chestnut Hill, Mass.</i>
Halstead, Cutler Underwood	<i>Buffalo, N. Y.</i>
Hampton, Geoffrey Alton	<i>Utica, N. Y.</i>
Harris, William Edwards, Jr.	<i>Jackson Heights, N. Y.</i>
Hartman, Allen Porter	<i>Shaker Heights, Ohio</i>
Hartman, Wilbur Lee	<i>Amherst, Mass.</i>
Haynes, Ulric St. Clair, Jr.	<i>Brooklyn, N. Y.</i>
Heller, George	<i>Englewood, N. J.</i>

Henke, Harry, III  
 Herzog, John Ducas  
 Hibbard, George Foshay  
 Hill, Laurence Miner  
 Hindle, Winston Russell, Jr.  
 Hobbs, James Denny  
 Holdsworth, John Hale  
 Holmgren, Robert Frederick  
 Hopple, Edwards Ritchie  
 Howard, James Beattie  
 Humphrey, J. Paul  
 Irvin, William Archibald, Jr.  
 Jillson, Robert Faulkner  
 Jones, Donald Edward  
 Jones, Robert Davis  
 Jordan, James Joseph, Jr.  
 Judson, Donald Irving  
 Kanchuger, Robert  
 Kane, Donald Eugene  
 Keady, Michael Jennings  
 Keeler, George Ellsworth  
 Keeler, William Spaulding  
 Keeney, Richmond  
 Killhour, Robert Brelsford  
 Knowlton, Carlisle  
 Kramer, Robert  
 Kreuter, Henry William  
 Kugler, Richard Cory  
 Kumm, William Howard  
 Lecher, Wallace Oman, Jr.  
 Leggett, Alan Cameron French  
 Leopas, Ulo Arvi  
 Leschin, Grant Charles  
 Lightfoot, John Carter  
 Long, Richard Field  
 Lyon, James Burroughs  
 McClure, James Focht, Jr.  
 MacDonald, Alaster  
 McDonald, Henry Cleaveland  
 Macdonald, Victor Roderick  
 MacDonnell, Raymond Arthur  
 McFeely, William Shield  
 McGrath, Robert Gregory

*Seattle, Wash.*  
*South Salem, N. Y.*  
*East Lynn, Mass.*  
*Gales Ferry, Conn.*  
*South Dartmouth, Mass.*  
*Tampa, Fla.*  
*Winchester, Mass.*  
*Wayzata, Minn.*  
*Cincinnati, Ohio*  
*Brooklyn, N. Y.*  
*New York, N. Y.*  
*Pittsburgh, Pa.*  
*Rye, N. Y.*  
*Springfield, Mass.*  
*Jeddo, Pa.*  
*White Plains, N. Y.*  
*Montclair, N. J.*  
*New York, N. Y.*  
*Springfield, Mass.*  
*Neenah, Wis.*  
*Grand Rapids, Mich.*  
*Grand Rapids, Mich.*  
*Winchester, Mass.*  
*Meadowbrook, Pa.*  
*Glendale, Ohio*  
*Greenwich, Conn.*  
*Maplewood, N. J.*  
*Winchester, Mass.*  
*Chocorua, N. H.*  
*Drexel Hill, Pa.*  
*Braintree, Mass.*  
*Manchester, Conn.*  
*New York, N. Y.*  
*Larchmont, N. Y.*  
*Washington, D. C.*  
*West Hartford, Conn.*  
*Lewisburg, Pa.*  
*Cazenovia, N. Y.*  
*Scarsdale, N. Y.*  
*Windsor, Conn.*  
*Lawrence, Mass.*  
*Wyckoff, N. J.*  
*Freeport, N. Y.*



MacKenzie, John Pettibone	<i>Stamford, Conn.</i>
McMurphy, Charles Herbert	<i>Laconia, N. H.</i>
Magee, Frank Harris, Jr.	<i>Wyncote, Pa.</i>
Mahaffie, Charles Delahunt, Jr.	<i>Washington, D. C.</i>
Mainzer, Francis Kirkwood	<i>Huntingdon, Pa.</i>
Maise, C. Richard	<i>Belleville, N. J.</i>
Mann, Donald Schuyler	<i>Great Neck, N. Y.</i>
Marston, Frederick Fairbrother, Jr.	<i>Indianapolis, Ind.</i>
Martin, Arthur Louis	<i>Bellmore, L. I., N. Y.</i>
Martindale, Wallace Smith, 3rd	<i>Philadelphia, Pa.</i>
Marvin, Richard Marr	<i>New York, N. Y.</i>
Mason, Robert John	<i>Rochester, Mich.</i>
Maxson, Edgar Potter, Jr.	<i>Westerly, R. I.</i>
Meek, Dudley Holmes, Jr.	<i>Riverside, Conn.</i>
Monroe, Lowell Wilton	<i>Shaker Heights, Ohio</i>
Monteith, Walter Henry, Jr.	<i>Norwood, Mass.</i>
Murphy, Gerald William	<i>Mount Morris, N. Y.</i>
Neal, Donald Alfred	<i>Wilmington, Del.</i>
Nelson, Thomas Fowler	<i>Old Greenwich, Conn.</i>
Newcombe, David Sugden	<i>West Roxbury, Mass.</i>
Nicholson, William Kenneth, Jr.	<i>Manhasset, N. Y.</i>
Ormsbee, John Bruce Shaw	<i>Ogunquit, Maine</i>
Parker, James Erwin, Jr.	<i>Glens Falls, N. Y.</i>
Pearson, John Reed, Jr.	<i>Pawhuska, Okla.</i>
Peters, David Alan	<i>East Rockaway, N. Y.</i>
Petersen, Harry Edward	<i>New London, Conn.</i>
Pfanner, David Eugene	<i>Silver Spring, Md.</i>
Phillips, Edward Everett	<i>Maplewood, N. J.</i>
Phillips, George Wesley	<i>Tampa, Fla.</i>
Pick, Thomas Frederic	<i>Glencoe, Ill.</i>
Pike, Morris Sumner	<i>Newton Centre, Mass.</i>
Porter, Arthur Linscott	<i>Amherst, Mass.</i>
Porter, Richard Deake Gifford	<i>Sunderland, Mass.</i>
Pratt, Richard Don, Jr.	<i>Baldwin, N. Y.</i>
Prest, James Thomas Morris	<i>St. Paul, Minn.</i>
Prosswimmer, Alan	<i>New Canaan, Conn.</i>
Pruyne, David Gates	<i>Newton, Mass.</i>
Randall, Francis Ballard	<i>New York, N. Y.</i>
Rautenberg, Theodore Herman, Jr.	<i>Cleveland Heights, Ohio</i>
Reed, James Alexander, Jr.	<i>Rochester, N. Y.</i>
Regard, Edward Joseph	<i>Hartsdale, N. Y.</i>
Reynolds, Michael Connolly	<i>Mt. Vernon, N. Y.</i>
Romer, Robert Horton	<i>Cambridge, Mass.</i>

Rowland, Peter	<i>Oakmont, Pa.</i>
Ruckmick, John Christian	<i>Addis Ababa, Ethiopia</i>
Ryer, William Hutchinson	<i>Duxbury, Mass.</i>
Sadlowski, William Joseph, Jr.	<i>Hadley, Mass.</i>
Sanford, Edward	<i>Morris, Ill.</i>
Schneider, Jules Edouard, Jr.	<i>Dallas, Texas</i>
Scholtz, Frederick Henry	<i>Riverside, Conn.</i>
Schreiber, Sanford Jay	<i>New York, N. Y.</i>
Schuster, Daniel Madden	<i>Rochester, Minn.</i>
Shaw, Edward Culver	<i>Winchester, Mass.</i>
Sheftel, Theodore Coleman	<i>Scarsdale, N. Y.</i>
Siggins, James Ernest	<i>Scarsdale, N. Y.</i>
Sihler, John Christian	<i>Shaker Heights, Ohio</i>
Singer, Barry Haas	<i>Scarsdale, N. Y.</i>
Siris, James Robert	<i>New York, N. Y.</i>
Skeele, Robert Billington	<i>Newmarket, N. H.</i>
Skilbred, Lars Arne	<i>Brooklyn, N. Y.</i>
Skoldberg, Ernest Victor	<i>Brooklyn, N. Y.</i>
Smethurst, Edward William, Jr.	<i>Montclair, N. J.</i>
Smith, George Francis Boyde, Jr.	<i>West Hartford, Conn.</i>
Soder, Richard Newton	<i>Springfield, Pa.</i>
Spencer, James Herbert, Jr.	<i>Newton, N. J.</i>
Stackpole, Robert Hayes	<i>Montclair, N. J.</i>
Staley, John Richard, Jr.	<i>Chicago, Ill.</i>
Stanford, Nicholas Taylor	<i>Essex, Conn.</i>
Stanton, John Phillips	<i>Upper Montclair, N. J.</i>
Steinberg, Malcolm Saul	<i>Highland Park, N. J.</i>
Strahan, John Windrum, III	<i>Maplewood, N. J.</i>
Straight, Theodore Carter	<i>East Orange, N. J.</i>
Swanson, Maynard William	<i>Worcester, Mass.</i>
Taft, Earl Jay	<i>Belle Harbor, L. I., N. Y.</i>
Tanger, John Carroll, 3rd	<i>Hanover, Pa.</i>
Tate, Mercer Dunbar	<i>Philadelphia, Pa.</i>
Thomas, Richard Lee	<i>Boston, Mass.</i>
Todd, Michael	<i>New York, N. Y.</i>
Toennies, Jan Peter	<i>Gladwyne, Pa.</i>
Trefrey, Charles Signor, Jr.	<i>Newton Highlands, Mass.</i>
Tuttle, Clifford Horace, Jr.	<i>Easton, Conn.</i>
Vernon, Jack Hayward	<i>Medina, N. Y.</i>
Wacchter, Walter Henry, Jr.	<i>Glenside, Pa.</i>
Wasie, Donald Allen	<i>Minneapolis, Minn.</i>
Watkins, William Allan, Jr.	<i>Lake Forest, Ill.</i>
Wellman, Bradford Sargent	<i>Topsfield, Mass.</i>

Wells, Edgar Terry, Jr.  
 Wemple, William Wallace, III  
 Wendell, William George  
 Wesely, Edwin Francis, Jr.  
 Westbay, Harry Herron, III  
 Whitbread, Thomas Bacon  
 Whitney, George Matson  
 Williams, James Stoddard  
 Williamson, Douglas Franklin, Jr.  
 Wilson, Harry Davis, Jr.  
 Wilson, William Howell  
 Wolfe, Richard Shipley  
 Wray, David Bontecou  
 Wright, Kenneth Trude  
 Wright, Samuel Lame, Jr.  
 Ziff, Howard Morton  
 Zimmermann, William, Jr.

*Mahwah, N. J.*  
*Schenectady, N. Y.*  
*Amherst, Mass.*  
*Chevy Chase, Md.*  
*Stamford, Conn.*  
*Amherst, Mass.*  
*Conneaut, Ohio*  
*Longmeadow, Mass.*  
*Tryon, N. C.*  
*Baltimore, Md.*  
*Easton, Pa.*  
*Elsmere, N. Y.*  
*Riverdale, N. Y.*  
*Chicago, Ill.*  
*Menlo Park, Calif.*  
*Holyoke, Mass.*  
*Wyncote, Pa.*

### Junior Class

Aeschlimann, Christopher John  
 Ahearn, James Francis  
 Banks, William Howard, III  
 Barkwill, Charles Dering, Jr.  
 Bartholomew, Herbert Almon, III  
 Behrman, Richard Elliot  
 Bengé, Joseph Bertrand, Jr.  
 Bierman, Robert Howard  
 Black, James Coulter  
 Blackburn, David Wheeler  
 Boden, Robert Walter  
 Boehm, Jack Allen  
 Bonoff, Edward Lion, Jr.  
 Breed, Alexander Spotswood  
 Brennan, Richard Edward  
 Brinker, Robert Sawyer  
 Brittain, John James  
 Brockman, Alan Jay  
 Brown, Basil William, Jr.  
 Brown, Malcolm Spencer  
 Brown, Robert Edwin  
 Brown, Robert Winfield  
 Bushey, Robert Seymour  
 Cady, Blake

*Montclair, N. J.*  
*West Hartford, Conn.*  
*Waban, Mass.*  
*Shaker Heights, Ohio*  
*Ramsey, N. J.*  
*Maplewood, N. J.*  
*Evanston, Ill.*  
*Summit, N. J.*  
*Glen Cove, N. Y.*  
*Rosemont, Pa.*  
*Garden City, N. Y.*  
*Brooklyn, N. Y.*  
*Woodmere, N. Y.*  
*Lynn, Mass.*  
*Whitman, Mass.*  
*Saltsburg, Pa.*  
*Dundee, Ill.*  
*New York, N. Y.*  
*Mt. Vernon, N. Y.*  
*Buffalo, N. Y.*  
*Rochester, N. Y.*  
*West Chester, Pa.*  
*Highland Park, Ill.*  
*Alexandria, Va.*

Canavan, John Francis	<i>Amherst, Mass.</i>
Carrington, Robert William	<i>Evanston, Ill.</i>
Caswell, Austin Baldwin, Jr.	<i>Minneapolis, Minn.</i>
Catlett, Edward Tredick, Jr.	<i>Haddonfield, N. J.</i>
Chamberlain, John Loomis, 3rd	<i>Washington, D. C.</i>
Chaplin, Davis	<i>Portland, Maine</i>
Child, Frank Malcolm, III	<i>West Englewood, N. J.</i>
Chipman, Robert Kenneth	<i>Chapel Hill, N. C.</i>
Choate, Alexander	<i>Washington, D. C.</i>
Clark, James Anderson, Jr.	<i>Albany, N. Y.</i>
Clark, Kenneth Fenton, Jr.	<i>New Rochelle, N. Y.</i>
Clark, William MacDonald	<i>Yonkers, N. Y.</i>
Cleary, John Harryhill, Jr.	<i>Loudonville, N. Y.</i>
Coates, Stanley Gordon	<i>Buenos Aires, Argentina</i>
Cohn, Malvin	<i>New York, N. Y.</i>
Cohn, Monroe	<i>New York, N. Y.</i>
Coleman, Daniel Mumford	<i>Ferguson, Mo.</i>
Collier, John Burton	<i>Youngstown, Ohio.</i>
Collins, William Wortham	<i>Dallas, Texas</i>
Comfort, George Lloyd, Jr.	<i>Pleasantville, N. Y.</i>
Connolly, Leo Warren, II	<i>Brookline, Mass.</i>
Coy, Stephen Cady	<i>Washington, D. C.</i>
Creelman, Roger Davis	<i>Winchester, Mass.</i>
Crone, John Thomas	<i>Rochester, N. Y.</i>
Cronkhite, John Morris	<i>Seattle, Wash.</i>
Crowell, Michael Gardner	<i>Riverton, N. J.</i>
Cruikshank, Burleigh, Jr.	<i>Philadelphia, Pa.</i>
Currie, Blair Crosby	<i>Winchester, Mass.</i>
Cutting, Richard Warren	<i>Buffalo, N. Y.</i>
Daggitt, James Culbertson	<i>Benton Harbor, Mich.</i>
Damon, Dwight Hills	<i>Amherst, Mass.</i>
Davis, James Benjamin	<i>Shaker Heights, Ohio</i>
DeCarolus, Laurence Francis	<i>Northampton, Mass.</i>
Dehlendorf, Robert Oliver, II	<i>Evanston, Ill.</i>
Dickhaut, Albert Henry, Jr.	<i>Rochester, N. Y.</i>
Dickinson, Nathaniel Rogers	<i>Pleasantville, N. Y.</i>
Dillon, Robert Emmet, Jr.	<i>Buffalo, N. Y.</i>
Dresser, Raymond H., Jr.	<i>Sturgis, Mich.</i>
Eames, Edward Ashley, II	<i>South Byfield, Mass.</i>
Earle, Richard Millar	<i>Cohasset, Mass.</i>
Edman, Silas Ward Gould	<i>Pittsfield, Mass.</i>
Edmonds, George Howard	<i>Wyomissing, Pa.</i>
Espie, Stephen Bolz	<i>Woodhaven, N. Y.</i>

Evans, Harry William  
 Evans, Leland Stanford, Jr.  
 Fadiman, Jonathan Rush  
 Fenton, Barry Jay  
 Finberg, Donald Richard  
 Fingeret, Israel Avrum  
 Fitterer, Dwight Wesley, Jr.  
 Floro, Francisco Rodrigues  
 Foster, Byron Tanner  
 Frack, William Arthur, Jr.  
 Garnier, Patrick  
 Garrison, William Gird  
 Gates, George Hill  
 Gerry, Harvey Spalding, Jr.  
 Gibson, Norman Horne  
 Gibson, Robert Hadley  
 Goodwin, Roger Farthing  
 Gorbaty, Norman  
 Gordon, John Franklin, Jr.  
 Graaskamp, John William  
 Graeber, Roy Alvin  
 Graham, Robert Insley  
 Gray, Richard Seith  
 Greene, Christopher Morrill  
 Greenough, William Bates, III  
 Greer, William James, II  
 Grimm, Peter, Jr.  
 Habermann, Gerd Alfred  
 Hall, Manson Phillips  
 Hamer, Myron Clifton, Jr.  
 Hampshire, Alan Curtis  
 Heeremans, James Harold  
 Heinrich, Lawrence William, Jr.  
 Helander, Robert Charles  
 Hendricks, Geoffrey  
 Henry, George Lester  
 Hertz, Neil Hart  
 Holcomb, John Burnett  
 Holland, John Charles  
 Horst, Edwin Albert  
 Humphries, John, 3rd  
 Iklé, Richard Adolph  
 Jacobson, Steven Miles

*Northampton, Mass.*  
*Detroit, Mich.*  
*New York, N. Y.*  
*New York, N. Y.*  
*Waban, Mass.*  
*Sewickley, Pa.*  
*Havertown, Pa.*  
*Manila, Philippines*  
*Lakewood, Ohio*  
*Easton, Pa.*  
*Paris, France*  
*Amherst, Mass.*  
*Middlefield, Conn.*  
*Scarsdale, N. Y.*  
*Dearborn, Mich.*  
*Brattleboro, Vt.*  
*Needham, Mass.*  
*Brooklyn, N. Y.*  
*Birmingham, Mich.*  
*Irvington, N. Y.*  
*Springfield Gardens, N. Y.*  
*Claremont, N. H.*  
*Cleveland Heights, Ohio*  
*West Newton, Mass.*  
*Providence, R. I.*  
*Delmar, N. Y.*  
*New York, N. Y.*  
*Goessenheim, Germany*  
*West Newton, Mass.*  
*Istington, Mass.*  
*Tiverton, R. I.*  
*Leonia, N. J.*  
*Rochester, N. Y.*  
*Chicago, Ill.*  
*Marlboro, Vt.*  
*Wellesley Hills, Mass.*  
*Bristol, R. I.*  
*Massena, N. Y.*  
*Bronxville, N. Y.*  
*Amherst, Mass.*  
*Jackson Heights, N. Y.*  
*Manhasset, N. Y.*  
*Brooklyn, N. Y.*



Jenkins, Carle Frederick  
 Johnson, Alan Potter  
 Johnson, Corbet Stephens, Jr.  
 Johnson, Michael Doel  
 Joyce, Thomas Harold, Jr.  
 Justus, Bertram William  
 Karp, Marshall Herbert  
 Katra, Joseph Richard  
 Keeney, Russell Morton  
 Keightley, David Noel  
 Kelly, Charles Arthur  
 Kenney, William Greer  
 Kibler, William Joel, III  
 Kiely, Robert James  
 Koch, Ronald Walter  
 Kruidenier, Peter  
 Kunz, John Benjamin  
 LaBaer, Alvin Jackson  
 Lamberton, Richard Drake  
 Lameyer, Gordon Ames  
 Landé, Arnold Julius  
 Lape, Robert Gould  
 Leinhardt, Walter Frank  
 Lemp, Karl Cadem  
 Lewis, Piers Ingersoll  
 Linxweiler, Richard Carl  
 Littlefield, Herrick Briggs  
 Long, Hoyt Mills  
 McMullen, Dan Drewry  
 Mahler, G. Vicary  
 Mannheim, John Richard  
 Marshall, Roger  
 Martin, William Mott  
 Mason, Robert Paige  
 Mesker, David Warren  
 Millard, William Luce  
 Miller, Stephen Cornell  
 Mitchell, John Taylor  
 Moro, Thomas Russell  
 Moss, Milton  
 Mount, Richard Clair  
 Munroe, Robert Lee  
 Munson, Alexander Lee

*East Orange, N. J.*  
*Amherst, Mass.*  
*Waverly, N. Y.*  
*New York, N. Y.*  
*Upper Montclair, N. J.*  
*St. Louis, Mo.*  
*Mt. Vernon, N. Y.*  
*Northampton, Mass.*  
*Woodstock, Vt.*  
*Evanston, Ill.*  
*Evanston, Ill.*  
*Chagrin Falls, Ohio*  
*Tonawanda, N. Y.*  
*Larchmont, N. Y.*  
*Elizabeth, N. J.*  
*Des Moines, Iowa*  
*Alexandria, Pa.*  
*Rochester, N. Y.*  
*Lake Forest, Ill.*  
*Boston, Mass.*  
*Columbus, Ohio*  
*Columbus, Ohio*  
*Brooklyn, N. Y.*  
*Oak Park, Ill.*  
*St. Paul, Minn.*  
*Dayton, Ohio*  
*Sargentville, Maine*  
*Buffalo, N. Y.*  
*Short Hills, N. J.*  
*Scarsdale, N. Y.*  
*Amherst, Mass.*  
*New York, N. Y.*  
*Pelham Manor, N. Y.*  
*Bethesda, Md.*  
*Florissant, Mo.*  
*Shaker Heights, Ohio*  
*Short Hills, N. J.*  
*Williamsville, N. Y.*  
*New York, N. Y.*  
*Philadelphia, Pa.*  
*Freehold, N. J.*  
*Pittsburgh, Pa.*  
*Port Washington, N. Y.*



Murphy, George Arthur  
 Neale, Edwin Button  
 Nikoi, Amon  
 Ostrander, Donald Sessions  
 Paine, Stephen Curtiss  
 Palmer, Michael Charles  
 Park, John Norwood  
 Pattison, Ian Chipman  
 Peck, William King  
 Peltz, William Irving  
 Peterson, Robert Gustave  
 Pritchard, William Harrison, Jr.  
 Prosnitz, Eugene Francis  
 Putnam, Leigh Burtis, Jr.  
 Ransom, Philip Walter, Jr.  
 Reynolds, Charles Joseph  
 Rothberg, John Charles  
 Rounds, John Anthony  
 Rous, Stephen Norman  
 Rubicam, Harry Cogswell  
 Rugg, John VerNooy  
 Sacks, Robert D.  
 Sarris, Nelson James  
 Sayres, William Gosnell  
 Schellenger, Charles William  
 Schleicher, Barret Towles  
 Schmid, Clifford Allen  
 Schmidt, Paul Carl  
 Schrag, Peter  
 Searles, John Randolph  
 Sekula, Frank D. deRenard  
 Shapiro, Bennett Irving  
 Simon, Donald Allen  
 Simonian, Edward Joseph  
 Slawson, William David  
 Slight, George, Jr.  
 Smeallie, James Arthur  
 Smeeth, Conrad  
 Smith, Seward  
 Sowers, Anthony Edward  
 Spencer, Reid Canfield  
 Stern, Robert Lester  
 Strait, Charles McIver

*Los Angeles, Calif.*  
*Scarsdale, N. Y.*  
*Gold Coast, B. W. A.*  
*Farmington, Conn.*  
*New York, N. Y.*  
*Pelham, N. Y.*  
*Philadelphia, Pa.*  
*Ridgewood, N. J.*  
*Lexington, Mass.*  
*Stamford, Conn.*  
*Chagrin Falls, Ohio*  
*Johnson City, N. Y.*  
*New York, N. Y.*  
*Denver, Colo.*  
*Buffalo, N. Y.*  
*Springfield, Mass.*  
*Plainfield, N. J.*  
*Great Neck, N. Y.*  
*New York, N. Y.*  
*Pelham Manor, N. Y.*  
*Cortland, N. Y.*  
*New York, N. Y.*  
*Amherst, Mass.*  
*Syracuse, N. Y.*  
*Berwyn, Pa.*  
*Forest Hills, N. Y.*  
*Webster Groves, Mo.*  
*Philadelphia, Pa.*  
*Elmhurst, N. Y.*  
*Summit, N. J.*  
*White Plains, N. Y.*  
*St. Louis, Mo.*  
*Larchmont, N. Y.*  
*Lowell, Mass.*  
*Grand Rapids, Mich.*  
*Evanston, Ill.*  
*Amsterdam, N. Y.*  
*Cos Cob, Conn.*  
*Chevy Chase, Md.*  
*Pasadena, Calif.*  
*Upper Montclair, N. J.*  
*Yonkers, N. Y.*  
*Upper Montclair, N. J.*

Sutherland, Donald Wood	<i>Merion, Pa.</i>
Swanston, Thomas Robinson	<i>Hudson, Ohio</i>
Taft, Kingsley Arter, Jr.	<i>Columbus, Ohio</i>
Talmadge, Richard Edgar	<i>University City, Mo.</i>
Tenney, Albert William, Jr.	<i>Malden, Mass.</i>
Ting, Robert Chin-Yao	<i>Hong Kong, China</i>
Totten, James Ballard	<i>Fanwood, N. J.</i>
Uhl, Herbert Harris	<i>Dongan Hills, S. I., N. Y.</i>
Wakefield, Bernard Dick	<i>Kenmore, N. Y.</i>
Walls, Raymond Marcus, Jr.	<i>Bethlehem, Pa.</i>
Walter, Harold John, Jr.	<i>Uxbridge, Mass.</i>
Ward, Robert Theodore	<i>Newton Highlands, Mass.</i>
Washburn, Thomas Campbell	<i>Denver, Colo.</i>
Watson, Richard Emery	<i>Wallingford, Conn.</i>
Weaver, Sterling LeRoy	<i>Rockville Centre, N. Y.</i>
Weber, Gerhard Karl	<i>Hof, Germany</i>
Weber, Mark Stevens	<i>Buffalo, N. Y.</i>
Wedeen, Joseph Ira	<i>New York, N. Y.</i>
Weinstein, Robert William	<i>Holyoke, Mass.</i>
Weiss, Donald Joseph	<i>West Roxbury, Mass.</i>
Weist, William Godfrey, Jr.	<i>Katonah, N. Y.</i>
Wells, John Foreman, Jr.	<i>Kew Gardens, L. I., N. Y.</i>
Wendoloski, Roger John	<i>Hatfield, Mass.</i>
Wentz, Theodore Emory	<i>Pittsburgh, Pa.</i>
West, Bradford Williams, Jr.	<i>Ardmore, Pa.</i>
Wheeler, John Parks	<i>Anniston, Ala.</i>
White, John Gerald, Jr.	<i>Chicago, Ill.</i>
White, Somers Hayes	<i>Milwaukee, Wis.</i>
Wilkoff, Jerold Benjamin	<i>Pittsburgh, Pa.</i>
Winship, Edward Newell, Jr.	<i>Winchester, Mass.</i>
Winslow, David Kenelm	<i>Lexington, Mass.</i>
Winterer, Philip Steele	<i>Short Hills, N. J.</i>
Woodcock, Floyd Baylie	<i>Bala-Cynwyd, Pa.</i>
Woolman, Henry Newbold, 3rd	<i>Paoli, Pa.</i>
Wurman, Franklin Arthur	<i>Philadelphia, Pa.</i>
Wurtzel, David Carl	<i>Perth Amboy, N. J.</i>
Wychgel, James Follansbee	<i>Shaker Heights, Ohio</i>
Youngren, William Thomas Harvey	<i>Evanston, Ill.</i>
Yuasa, Yo	<i>Kyoto, Japan</i>
Zalot, Joseph Edward	<i>Hadley, Mass.</i>
Zeller, Hubert Raymond, Jr.	<i>Orange, Conn.</i>
Zelt, Wray Grayson, III	<i>Washington, Pa.</i>

## Sophomore Class

Abell, Tyler	<i>Washington, D. C.</i>
Abrams, Robert Marshall	<i>Holyoke, Mass.</i>
Addington, Keene Harwood	<i>Lake Forest, Ill.</i>
Albert, Burton	<i>Waterbury, Conn.</i>
Albrecht, John Herman	<i>Detroit, Mich.</i>
Allen, Harry S., Jr.	<i>Lancaster, Pa.</i>
Allodi, Paul Benaglia	<i>Darien, Conn.</i>
Amacher, Melchior Peter	<i>Hillsboro, Ore.</i>
Anderson, Brierly Wadsworth	<i>Barrington, Ill.</i>
Anderson, Richard Coveney Edwards	<i>Pasadena, Calif.</i>
Apthorp, Carl Rufus, III	<i>Shaker Heights, Ohio</i>
Armstrong, John Hunter	<i>Belleville, N. J.</i>
Armstrong, Thomas L.	<i>Kansas City, Kansas</i>
Barnes, James John	<i>St. Paul, Minn.</i>
Bassett, William Akers	<i>Rockville Centre, N. Y.</i>
Bauer, William Alfred	<i>Auburn, Maine</i>
Baumann, Jacob Bruce	<i>Fremont, Ohio</i>
Bauser, Robert Edwin	<i>Manhasset, N. Y.</i>
Beecher, Sanford Dent, Jr.	<i>Bala-Cynwyd, Pa.</i>
Belcher, Robert Henry	<i>Darien, Conn.</i>
Belevetz, David Roger	<i>Waterbury, Conn.</i>
Benneyan, Robert Noel	<i>White Plains, N. Y.</i>
Bishop, Donald Crooker	<i>Brownsville, Vt.</i>
Black, Craig Call	<i>El Paso, Texas</i>
Blackburn, Thomas Harold	<i>West Englewood, N. J.</i>
Blakesley, Robert Gordon	<i>Wellesley Hills, Mass.</i>
Blau, Peter England	<i>Pittsfield, Mass.</i>
Borden, Walter Arnold	<i>Hartford, Conn.</i>
Bradford, William Dalton	<i>Rochester, N. Y.</i>
Bryant, Frederick Copeland, Jr.	<i>Bronxville, N. Y.</i>
Butts, Dean Edward	<i>Elmira, N. Y.</i>
Campbell, Edward Williams, Jr.	<i>Wynnewood, Pa.</i>
Carter, Joseph Hankinson, Jr.	<i>Morrisville, Pa.</i>
Cattell, Hereward Seagreave	<i>Champaign, Ill.</i>
Chase, Robert Daggett	<i>Broadalbin, N. Y.</i>
Childs, Maurice Frederick, Jr.	<i>Mt. Vernon, N. Y.</i>
Clyne, James William	<i>Delmar, N. Y.</i>
Congdon, Walton Greenleaf	<i>Arlington, Vt.</i>
Copsey, Ronald Lynn	<i>Washington, D. C.</i>
Corson, Edward Winslow, Jr.	<i>Rahway, N. J.</i>
Coursen, Herbert Randolph, Jr.	<i>Short Hills, N. J.</i>

Cracknell, Robin	<i>Dedham, Mass.</i>
Cressman, Frederick Kehm, Jr.	<i>Souderton, Pa.</i>
Cronin, Dermot Anthony	<i>Newton Centre, Mass.</i>
Culver, Fred Austin	<i>Warren, Ohio</i>
Daugherty, James Carroll	<i>Wynnewood, Pa.</i>
Davidson, Matthew Henry, III	<i>Troy, N. Y.</i>
Dean, Lee Wallace, III	<i>Clayton, Mo.</i>
Deutsch, Irwin Frederick	<i>Scarsdale, N. Y.</i>
Dickerman, Robert Davison	<i>Taunton, Mass.</i>
Dobson, David Carrington	<i>Great Neck, N. Y.</i>
Dubin, Seth Harris	<i>New York, N. Y.</i>
Duffy, James Henry	<i>North Andover, Mass.</i>
Eck, Philip Ross	<i>Great Neck, N. Y.</i>
Edelstein, Haskell	<i>Albany, N. Y.</i>
Elden, John Aten	<i>Shaker Heights, Ohio</i>
Engelsman, Alan D.	<i>New York, N. Y.</i>
Esty, David Cameron	<i>Amherst, Mass.</i>
Ewing, John Thomas	<i>Rydal, Pa.</i>
Fendrick, Gerald Martin	<i>Brooklyn, N. Y.</i>
Ferguson, John Stanley	<i>South Orange, N. J.</i>
Fieleke, Norman Siegfried	<i>Momence, Ill.</i>
Fischer, John Richard	<i>Newton Highlands, Mass.</i>
Fisher, William Howard, Jr.	<i>Malden, Mass.</i>
Frank, David Milton	<i>Richmond Heights, Mo.</i>
Freeman, John Mark	<i>Kings Point, N. Y.</i>
Freeman, Russell Adams	<i>Delmar, N. Y.</i>
Friedlander, William Alfred	<i>Wyoming, Ohio</i>
Galef, Andrew Geoffrey	<i>White Plains, N. Y.</i>
Gamble, Richard Ross	<i>Batavia, N. Y.</i>
Gardiner, Robert Worthington	<i>Rockport, Mass.</i>
Gebauer, Adam George	<i>Short Hills, N. J.</i>
Glassbrook, Grant Frederick	<i>Albany, N. Y.</i>
Goldberg, David Reuben	<i>Toledo, Ohio</i>
Goodhue, Peter Ames	<i>Fort Fairfield, Maine</i>
Gordon, Robert, III	<i>Garden City, N. Y.</i>
Gordon, Walter Richard	<i>Salem, Mass.</i>
Gotoff, Samuel Peter	<i>New York, N. Y.</i>
Gould, Roderick	<i>Rochester, N. Y.</i>
Gove, Gilbert English	<i>Birmingham, Mich.</i>
Grant, John Phillips, Jr.	<i>New Canaan, Conn.</i>
Griffin, Burt Wagner	<i>Cleveland, Ohio</i>
Grimstad, Charles Morrow	<i>Pittsburgh, Pa.</i>
Hanselman, John William	<i>White Plains, N. Y.</i>

Hanselman, Raymond Bush  
 Hargreaves, John Albert  
 Hart, Stephen Ives  
 Harvey, Carroll Sherlock, Jr.  
 Haywood, Richard Mowbray  
 Hazlett, Samuel Rohrer  
 Heffernan, Thomas Francis  
 Henke, Bradley Fowlkes  
 Higgins, Richard Cyril  
 Hilgartner, Charles Andrew  
 Hodgen, Robert Trudel  
 Hoitsma, Derrik Cutten  
 Hollister, Bruce Finch  
 Hornberger, Robert Howard  
 Howard, Graeme Keith, Jr.  
 Huggins, David Glenn  
 Hunter, Peter Crow  
 Hunziker, Robert McKee  
 Hyde, Paul Litchfield  
 Ickler, John Lower  
 Jenkins, Thomas Shaeffer  
 Jensen, Julius, III  
 Johanson, Bradford  
 Jones, David Owen  
 Jordan, Richard David  
 Juzek, Robert Gerald  
 Kambour, Roger Peabody  
 Kaplan, Richard Norton  
 Keener, Jefferson Ward, Jr.  
 Keller, Dieter Heinrich  
 Kenefick, Austin Walsh  
 Kershlis, William Robert, Jr.  
 Kirsch, David Alan  
 Kling, Peter Madsen  
 Knight, Joseph Andrew, Jr.  
 Knight, Thomas Roger  
 Korell, Oscar Ernest  
 Krause, John Penn  
 Krueger, William Emmett  
 Lacey, E. Bradford  
 Laux, Dean Merrill  
 Leigh, Jonathan Weiller  
 Lessell, Simmons

*White Plains, N. Y.*  
*Willimantic, Conn.*  
*West Hartford, Conn.*  
*Dover, Mass.*  
*New York, N. Y.*  
*Glenside, Pa.*  
*Lehman, Pa.*  
*Seattle, Wash.*  
*Manchester, Conn.*  
*Austin, Texas*  
*Belchertown, Mass.*  
*Shaker Heights, Ohio*  
*Summit, N. J.*  
*Roebling, N. J.*  
*Norfolk, Conn.*  
*Rochester, N. Y.*  
*Allison Park, Pa.*  
*Upper Montclair, N. J.*  
*Hudson, Ohio*  
*Wyncote, Pa.*  
*Canton, Ohio*  
*St. Louis, Mo.*  
*Avon, Conn.*  
*Glenview, Ill.*  
*White Plains, N. Y.*  
*Nanuet, N. Y.*  
*Wilmington, Mass.*  
*Worcester, Mass.*  
*Akron, Ohio*  
*Fitchburg, Mass.*  
*Holyoke, Mass.*  
*Amherst, Mass.*  
*Brooklyn, N. Y.*  
*North Attleboro, Mass.*  
*Pittsburgh, Pa.*  
*Feeding Hills, Mass.*  
*Springfield, Mass.*  
*St. Louis, Mo.*  
*Pasadena, Calif.*  
*St. Louis, Mo.*  
*Dalton, Mass.*  
*Great Neck, N. Y.*  
*Forest Hills, N. Y.*



Leviston, William Baird, Jr.	<i>Melrose, Mass.</i>
Lewis, Thomas West	<i>Elsmere, N. Y.</i>
Lindberg, Donald Allan Bror	<i>Brooklyn, N. Y.</i>
Lindvall, Charles Eric	<i>Altadena, Calif.</i>
Linchon, David Chase	<i>Hammondsport, N. Y.</i>
Little, Thomas Malcolm	<i>Narberth P. O., Pa.</i>
Longworth, Maurice Alfred, Jr.	<i>Wellesley Hills, Mass.</i>
Lundeen, David Franklin	<i>Fergus Falls, Minn.</i>
McCabe, James Tyson	<i>Arlington, Vt.</i>
McClay, John Bigelow, II	<i>Pittsburgh, Pa.</i>
McCormick, Douglas Donald	<i>Dearborn, Mich.</i>
McIntosh, Duncan Ames	<i>Bronxville, N. Y.</i>
McIntyre, Harry James, Jr.	<i>Scarsdale, N. Y.</i>
MacPhail, Richard Albert	<i>New Bedford, Mass.</i>
Mahar, Anthony Spencer	<i>Northville, N. Y.</i>
Malcolm, Walter David, Jr.	<i>Hingham, Mass.</i>
Mead, William Grimston	<i>Brooklyn, N. Y.</i>
Melick, Edwin Farlee	<i>Neshanic Station, N. J.</i>
Miller, John Arthur	<i>Perth Amboy, N. J.</i>
Millis, Walter, III	<i>New York, N. Y.</i>
Mitchell, Matthew Palmer	<i>Scarsdale, N. Y.</i>
Mitchell, Thomas Lee	<i>Williamsville, N. Y.</i>
Nail, Charles Edwin, Jr.	<i>Mansfield, Ohio</i>
Nichols, John Leonard	<i>Rochester, N. Y.</i>
Nixon, James Alexander	<i>West Hartford, Conn.</i>
Norman, Hilary Milord	<i>Shaker Heights, Ohio</i>
O'Brian, Harold Samuel, Jr.	<i>Philadelphia, Pa.</i>
O'Brien, Robert Alfred, Jr.	<i>Richmond, Va.</i>
Okumura, Shigeru	<i>Kyoto City, Japan</i>
Oresman, Stephen Bergel	<i>New York, N. Y.</i>
Orr, John Gillespie	<i>Buffalo, N. Y.</i>
Oster, Jon Franklin	<i>Baltimore, Md.</i>
Oxman, Leon Morris	<i>New York, N. Y.</i>
Pagter, Ralph G.	<i>Washington, D. C.</i>
Pastore, Richard Steel	<i>Chatham, N. J.</i>
Patten, John Michael	<i>Bloomfield Hills, Mich.</i>
Patton, Richard Weston	<i>Highland Park, Ill.</i>
Pearson, James Walker	<i>Pawhuska, Okla.</i>
Pellman, Carl Meyer	<i>Brooklyn, N. Y.</i>
Pennels, Stuart Alan	<i>Wilmette, Ill.</i>
Perez, Giovi	<i>Springfield, Mass.</i>
Peters, Ralph William, Jr.	<i>Rochester, N. Y.</i>
Pfund, Peter Harry	<i>Ardmore, Pa.</i>



Pickett, Justus Cunningham  
 Pitkin, Roger Parker  
 Plimpton, Oakes Ames  
 Poor, Richard Sumner  
 Powell, Ralph Dewey, Jr.  
 Prentiss, Richard Craig  
 Prescott, Blake Daniels, Jr.  
 Price, Meredith  
 Purdy, John Earl, Jr.  
 Rassweiler, John Hancock  
 Rayner, Lawrence, Jr.  
 Redner, Keith Hamilton, Jr.  
 Richardson, James Harrington  
 Rogers, Peter Marx  
 Rohde, Harry Quinn  
 Rosen, Sheldon Alan  
 Rosenthal, Jon Kenneth  
 Rotner, Robert Loren  
 Rutter, Marshall Anthony  
 Safford, Nicholas Heath  
 Sandy, Alan Francis, Jr.  
 Scandrett, Dwight Morrow  
 Schapiro, Robert Harris  
 Scherrer, John Charles  
 Schmiedeskamp, Jay Warren  
 Schneider, Robert Andrew  
 Schreiber, Hans William  
 Seham, Martin Charles  
 Sherman, John C.  
 Sherwood, Peter Frederick  
 Silbaugh, Hugh Reber, Jr.  
 Simonton, Robert Bennet  
 Simpson, David Robert Lusby  
 Smith, Charles Mason  
 Smyth, Winfield Scott  
 Soffer, Richard Lubert  
 Spector, Eugene W.  
 Spiegelman, Irwin Morton  
 Spofford, Edward Washburn  
 Steuber, Harry Bentley  
 Storms, Clifford Beekman  
 Sturtevant, Richard Clifford  
 Taft, William Wilson

*Morgantown, W. Va.*  
*Massapequa, N. Y.*  
*New York, N. Y.*  
*Maplewood, N. J.*  
*Weston, Mass.*  
*Kutztown, Pa.*  
*East Longmeadow, Mass.*  
*Chevy Chase, Md.*  
*Brooklyn, N. Y.*  
*Short Hills, N. J.*  
*Chicago, Ill.*  
*Battle Creek, Mich.*  
*Amherst, Mass.*  
*Wayzata, Minn.*  
*River Forest, Ill.*  
*Brooklyn, N. Y.*  
*New York, N. Y.*  
*Yonkers, N. Y.*  
*Pottstown, Pa.*  
*Wellesley Hills, Mass.*  
*Minneapolis, Minn.*  
*Cornwall, N. Y.*  
*Newark, N. J.*  
*Greenwich, Conn.*  
*Quincy, Ill.*  
*Hamburg, N. Y.*  
*Manhasset, N. Y.*  
*Brooklyn, N. Y.*  
*Washington, D. C.*  
*Westport, Conn.*  
*Binghamton, N. Y.*  
*Cazenovia, N. Y.*  
*White Plains, N. Y.*  
*Bethel, Maine*  
*Wellesley Hills, Mass.*  
*New York, N. Y.*  
*Clayton, Mo.*  
*Jamaica, N. Y.*  
*Lee, Mass.*  
*Rochester, N. Y.*  
*Mount Vernon, N. Y.*  
*Pelham Manor, N. Y.*  
*Shaker Heights, Ohio*

Talbott, Thomas Linville	<i>Fayetteville, N. Y.</i>
Tank, Edward Sylvan	<i>Western Springs, Ill.</i>
Tapley, David Ault	<i>New Rochelle, N. Y.</i>
Taylor, Edward William	<i>Westfield, N. J.</i>
Taylor, Charles Campbell	<i>Kalamazoo, Mich.</i>
Tener, Hampden Evans, III	<i>Coraopolis, Pa.</i>
Towle, William Foley	<i>St. Paul, Minn.</i>
Towner, Reginald Finch, Jr.	<i>Montclair, N. J.</i>
Townsend, Vincent Francis	<i>Clayton, Mo.</i>
Tseckares, Socrates Nicholas	<i>Concord, N. H.</i>
Tulgan, Henry	<i>Brooklyn, N. Y.</i>
Tulloch, George Sherlock, Jr.	<i>Merrick, N. Y.</i>
Turner, Raymond William, Jr.	<i>Brooklyn, N. Y.</i>
Underwood, David Gleason, II	<i>Leominster, Mass.</i>
Vander Clute, Norman Roland	<i>Rockville Centre, N. Y.</i>
Van Wie, Robert Stanton	<i>Larchmont, N. Y.</i>
VerNooy, Stewart Anderson, Jr.	<i>Cortland, N. Y.</i>
Vester, Bruce Bennett	<i>Portland, Oregon</i>
Vining, Jack Harrison	<i>West Hartford, Conn.</i>
Walter, Eugene Julian, Jr.	<i>Normandy, Mo.</i>
Warner, Edwin Gaylord, II	<i>Washington, D. C.</i>
Watson, George Graham, Jr.	<i>Chicopee Falls, Mass.</i>
Weil, Fredric E.	<i>Shaker Heights, Ohio</i>
Weilepp, George Waite	<i>Upper Montclair, N. J.</i>
Weldon, James Eugene	<i>Glenside, Pa.</i>
Werner, Burton Kay	<i>St. Louis, Mo.</i>
Werner, Frederic Philip	<i>Great Neck, N. Y.</i>
West, Calvin Sherwood, Jr.	<i>Jamesville, N. Y.</i>
Whitcraft, Mark Ingle	<i>Rochester, N. Y.</i>
Whitmore, Stephen Carr	<i>Holyoke, Mass.</i>
Whitney, William Elliot, Jr.	<i>Hurley, N. Y.</i>
Wiedemann, Theodore Andreas, Jr.	<i>Norristown, Pa.</i>
Wiegand, Jeffery William	<i>Old Greenwich, Conn.</i>
Wilbor, Guy Wyman	<i>Highland Park, Ill.</i>
Wilcox, William Warner	<i>Geneseo, N. Y.</i>
Wilharm, John Henry, Jr.	<i>Shaker Heights, Ohio</i>
Willemson, Richard Martin	<i>York Mills, Ont., Canada</i>
Williams, John Anthony	<i>East Orange, N. J.</i>
Wilson, Scott Lamb	<i>Hallowell, Maine</i>
Winter, Donald Ferguson	<i>Rahway, N. J.</i>
Wood, Bourdette Rood, Jr.	<i>Shaker Heights, Ohio</i>
Woodward, William VanNeste	<i>Kingston, R. I.</i>
Zins, Arnold George	<i>Haverhill, Mass.</i>

Freshman Class

Ackell, Joseph James	<i>Bellaire, N. Y.</i>
Alden, Thomas Hyde	<i>Swarthmore, Pa.</i>
Alder, Thomas Paterson	<i>Glencoe, Ill.</i>
Aliber, Gilbert Donald	<i>Greenfield, Mass.</i>
Allen, Albert Walker, Jr.	<i>Ardsley-on-Hudson, N. Y.</i>
Allen, Ralph Gilmore	<i>Philadelphia, Pa.</i>
Allen, Robert Randolph	<i>Westfield, N. J.</i>
Amos, Franklyn Boothroyd	<i>Delmar, N. Y.</i>
Anderson, Edwin Nathaniel, Jr.	<i>Longmeadow, Mass.</i>
Anderson, John David	<i>Westfield, N. J.</i>
Anderson, John Hornsey Cowan	<i>Summit, N. J.</i>
Andrews, James Harper	<i>Kewanee, Ill.</i>
Atherton, Roger Morse, Jr.	<i>Hopkinton, N. H.</i>
Ault, Addison	<i>Waban, Mass.</i>
Ayers, Gerard Ernest	<i>Brooklyn, N. Y.</i>
Barnaby, Charles Howard	<i>Greencastle, Ind.</i>
Barnes, Curtis Lyon, Jr.	<i>Glenside, Pa.</i>
Basalo, Rudolph Joseph	<i>Caracas, Venezuela</i>
Baskin, Jevne Duncan	<i>Minneapolis, Minn.</i>
Basseches, Robert Treinis	<i>Scarsdale, N. Y.</i>
Baughman, Richard DeWeese	<i>Wellesley Hills, Mass.</i>
Baum, Richard Samuel	<i>Detroit, Mich.</i>
Baumert, Edward Charles, III	<i>New York, N. Y.</i>
Beardwood, Donald Matthew	<i>Melrose Park, Pa.</i>
Beaven, Bruce Wetmore	<i>Kenilworth, Ill.</i>
Benson, Gerald	<i>New York, N. Y.</i>
Bergren, Richard Victor, Jr.	<i>White Plains, N. Y.</i>
Bespaloff, Alexis Jacques	<i>New York, N. Y.</i>
Bixler, David Daniel	<i>Bronxville, N. Y.</i>
Blair, Stephen Batcheller, Jr.	<i>Fitzwilliam, N. H.</i>
Blumenberg, Robert Murray	<i>Gloversville, N. Y.</i>
Blyth, Charles Ramsay, Jr.	<i>Burlingame, Calif.</i>
Bobrinskoy, George Vladimir, Jr.	<i>Chicago, Ill.</i>
Born, Dirck Ten Broeck	<i>Cambridge, Mass.</i>
Bower, Mason James	<i>Painted Post, N. Y.</i>
Bradford, David Lyons	<i>Albuquerque, N. M.</i>
Braunwald, Jack	<i>Forest Hills, N. Y.</i>
Brayer, James Douglas	<i>Rochester, N. Y.</i>
Brickett, Malcolm Hoyt	<i>Wellesley Hills, Mass.</i>
Brown, Alling Christian	<i>Lake Forest, Ill.</i>
Brown, Norman Edward	<i>Pelham, Mass.</i>

Buel, Richard Van Wyck, Jr.	<i>Morristown, N. J.</i>
Burdette, Hugh Carter	<i>Pampa, Texas</i>
Burkard, Herbert Lawrence	<i>Rego Park, N. Y.</i>
Burleigh, William Edward	<i>Tavares, Fla.</i>
Campbell, John Branfield	<i>Newark, N. J.</i>
Cantor, Gerald Alan	<i>Jersey City, N. J.</i>
Carstensen, Thomas Blaylock	<i>Portland, Ore.</i>
Cavers, David Farquhar, Jr.	<i>Lexington, Mass.</i>
Clark, Earl Bates	<i>Westfield, N. J.</i>
Clark, Roger Browne	<i>Webster Groves, Mo.</i>
Cobau, William Weinschenk	<i>New Castle, Pa.</i>
Cole, William Richard, III	<i>North Amherst, Mass.</i>
Combemale, Jean-Loup Robert	<i>New York, N. Y.</i>
Conover, Frederic King, II	<i>Chevy Chase, Md.</i>
Coon, Henry Leland	<i>Bronxville, N. Y.</i>
Cooper, Charles S., III	<i>Garden City, N. Y.</i>
Cowan, Michael Norton	<i>New York, N. Y.</i>
Crook, William Wallace	<i>Roslindeale, Mass.</i>
Cuyler, Lewis Carter	<i>Princeton, N. J.</i>
Davenport, Samuel Chase	<i>Riverside, Conn.</i>
Davidson, Christopher Holland	<i>Schenectady, N. Y.</i>
Davis, Richard Guenther	<i>Great Neck, N. Y.</i>
Dean, George Aloysius, Jr.	<i>New York, N. Y.</i>
Dearnley, Robert Wallace	<i>Cornwall, N. Y.</i>
Desenberg, Jon Phillips	<i>Detroit, Mich.</i>
Dillon, James McNulty	<i>Buffalo, N. Y.</i>
Dirks, Richard Alan	<i>Syracuse, N. Y.</i>
Dorrell, Walter Ward, Jr.	<i>Bronxville, N. Y.</i>
Douglass, Norman Wardell	<i>Verona, N. J.</i>
Downey, Francis Aloysius, Jr.	<i>Holyoke, Mass.</i>
Duffy, William Bernard, Jr.	<i>North Andover, Mass.</i>
Earle, Ralph, Jr.	<i>Jenkintown, Pa.</i>
Eckardt, Robert Remick	<i>Port Washington, N. Y.</i>
Endriss, James Wagner	<i>Mansfield, Ohio</i>
Fagles, Robert	<i>Bala-Cynwyd, Pa.</i>
Falsgraf, William Wendell	<i>Shaker Heights, Ohio</i>
Farr, Jan Richard	<i>Syracuse, N. Y.</i>
Felt, John Traver	<i>New Hartford, N. Y.</i>
Ferner, David Charles	<i>Rochester, N. Y.</i>
Ferré, Antonio Luis	<i>Ponce, Puerto Rico</i>
Field, Martin Lewis	<i>St. Paul, Minn.</i>
Fillman, Jeffrey Andrew	<i>New York, N. Y.</i>
Flegal, Howard Bruce	<i>Auburndale, Mass.</i>

Florance, Edwin Trent  
 Flynn, Richard Brian  
 Forbes, Gordon Marshall  
 Fox, Robert Yale  
 Francisco, William Henry  
 Frank, Seth Edward  
 Franklin, Howard Bruce  
 French, Edward Crossett  
 Friedrich, Eugene William  
 Frum, Austin Pendleton  
 Frymoyer, William Kimball  
 Furey, Robert Timothy  
 Gallagher, George Cromwell  
 Gamble, William Gardner  
 Ginsberg, Stanley Arthur  
 Goldstone, Steven Peter  
 Good, James Edward, II  
 Goodman, Arnold S.  
 Grant, Herbert Leonard  
 Grant, Robert Ernest  
 Gray, Dana Gordon  
 Greely, Philip Allen  
 Greene, Lewis Joel  
 Gregson, Ronald Edgar  
 Grunebaum, Richard Ernest  
 Hagstrom, Jack Walter  
 Haller, Robert Spancer  
 Halsted, John Scarlett  
 Hamilton, George William, Jr.  
 Hammond, John Wilkes, II  
 Hanks, James Philip  
 Hanschka, Mark Richard  
 Hardy, Edward Keasbey, III  
 Hart, John Schuyler  
 Head, Henry Buchen  
 Heilman, Richard Spaulding  
 Helmreich, Paul Christian  
 Henderson, Josiah Robert  
 Henshaw, Lewis Johnson, Jr.  
 Herd, J. Robert  
 Hertz, Fredric Martin  
 Hiatt, John Alfred  
 Hicks, James Everett

*Summit, N. J.*  
*Hallowell, Maine*  
*Detroit, Mich.*  
*Dobbs Ferry, N. Y.*  
*Middletown, Conn.*  
*Brooklyn, N. Y.*  
*Brooklyn, N. Y.*  
*Chicago, Ill.*  
*Washington, D. C.*  
*Cleveland, Ohio*  
*Foxboro, Mass.*  
*Thompsonville, Conn.*  
*Washington, D. C.*  
*Batavia, N. Y.*  
*Far Rockaway, N. Y.*  
*Brooklyn, N. Y.*  
*Melrose, Mass.*  
*Clayton, Mo.*  
*Brooklyn, N. Y.*  
*Westfield, N. J.*  
*Nappanee, Ind.*  
*Quincy, Mass.*  
*Ardsey, N. Y.*  
*Harmony, R. I.*  
*Scarsdale, N. Y.*  
*Rockford, Ill.*  
*Bethesda, Md.*  
*Kennett Square, Pa.*  
*Clayton, Mo.*  
*Cambridge, Mass.*  
*Newton Centre, Mass.*  
*Montclair, N. J.*  
*Glencoe, Ill.*  
*Pittsfield, Mass.*  
*Evanston, Ill.*  
*Villanova, Pa.*  
*Brunswick, Maine*  
*Rochester, N. Y.*  
*Cincinnati, Ohio*  
*Merion, Pa.*  
*Forest Hill, N. Y.*  
*Minneapolis, Minn.*  
*Worcester, Mass.*



Hildreth, Robert Lee	<i>West Springfield, Mass.</i>
Hinrichs, Walter Edwin	<i>Lake Success, N. Y.</i>
Hobbs, Frederick Howard	<i>Pottsville, Pa.</i>
Hommeyer, Paul von Hofen	<i>Wayzata, Minn.</i>
Hopkins, Martin Edward	<i>Bronxville, N. Y.</i>
Ittner, James Francis	<i>Kirkwood, Mo.</i>
Jedrey, Robert Leonard	<i>Gloucester, Mass.</i>
Jones, Stephen Decatur	<i>Malden, Mass.</i>
Joy, William Joseph	<i>Amherst, Mass.</i>
Judd, Edward Payson	<i>Lyndhurst, Ohio</i>
Kallett, Anthony	<i>New York, N. Y.</i>
Kaplan, Philip	<i>New Rochelle, N. Y.</i>
Karch, George Frederick, Jr.	<i>Shaker Heights, Ohio</i>
Keller, Henry Steven	<i>Shaker Heights, Ohio</i>
Kendrick, Thomas Ryland	<i>Brunswick, Maine</i>
Kessler, Stanton Alfred	<i>Highland Park, Ill.</i>
Kirschenbaum, Stephen Ira	<i>New York, N. Y.</i>
Kisiel, Robert John, Jr.	<i>Holyoke, Mass.</i>
Kolb, Harold Hutchinson, Jr.	<i>Wellesley Hills, Mass.</i>
Kopp, Charles Gilbert	<i>Avon, Conn.</i>
Kuniholm, Paul Isaac	<i>Gardner, Mass.</i>
LaFollette, Gerry Campbell	<i>Corning, N. Y.</i>
Lamm, Michael Emanuel	<i>Brooklyn, N. Y.</i>
Langs, Richard John	<i>Detroit, Mich.</i>
Lansdowne, Robert Somerset	<i>Eggertsville, N. Y.</i>
Lawrenz, David Roger	<i>Lakeville, Conn.</i>
Lebor, Andrew Scott	<i>Wyoming, Ohio</i>
Lefkowitz, Richard	<i>Woodside, N. Y.</i>
Lehrman, Robert Orrin	<i>Great Neck, N. Y.</i>
Lemal, David Markham	<i>Fanwood, N. J.</i>
LeVine, Robert Caldwell	<i>Pittsburgh, Pa.</i>
Levy, Frederic David	<i>New York, N. Y.</i>
Lindem, Martin Carl, Jr.	<i>Salt Lake City, Utah</i>
Litchfield, Ticknor Bushnell	<i>Mamaroneck, N. Y.</i>
Long, Robert Charles	<i>Los Angeles, Calif.</i>
Long, Theodore Dixon	<i>Warren, Ohio</i>
Lott, William Henry Lindsay	<i>Varna, Ill.</i>
Lowenfield, Ralph Albert, Jr.	<i>El Paso, Texas</i>
Maccagnan, Victor	<i>Lakeville, Conn.</i>
McCarthy, Richard Theodore	<i>Northampton, Mass.</i>
MacDonald, Donald Hugh	<i>Seal Harbor, Maine</i>
MacDougall, Robert Donald	<i>Wynnewood, Pa.</i>
McFarlane, Willis McKee	<i>Shaker Heights, Ohio</i>



McGirr, Francis William	<i>Saratoga Springs, N. Y.</i>
McGovern, James Bruce	<i>Winchester, Mass.</i>
McLean, Joseph Alan	<i>Ayer, Mass.</i>
McLendon, Frederick Earl, Jr.	<i>Atlanta, Ga.</i>
MacLennan, Everett Wood	<i>Braintree, Mass.</i>
Mahler, John Chandler	<i>Sterling, Mass.</i>
Mairs, Angus McLeod	<i>St. Paul, Minn.</i>
Maras, Robert Bernard	<i>Shaker Heights, Ohio</i>
Marasco, Alan Lester	<i>Chappaqua, N. Y.</i>
Marcus, Donald Jay	<i>Wynnewood, Pa.</i>
Marion, John Addison	<i>Maplewood, N. J.</i>
Marks, Walter	<i>New York, N. Y.</i>
Marrack, Alexander Case	<i>Honolulu, T. H.</i>
Mayer, Frank Dewey, Jr.	<i>Chicago, Ill.</i>
Mermelstein, David	<i>Baltimore, Md.</i>
Merrill, Charles Francis	<i>Mendham, N. J.</i>
Metcalf, Thomas Richard	<i>Syracuse, N. Y.</i>
Miller, Leigh Douglas	<i>Winnetka, Ill.</i>
Minster, Joel Shaw	<i>Drexel Hill, Pa.</i>
Mooers, Edwin Stanton	<i>Minneapolis, Minn.</i>
Moore, Frederick Cromwell	<i>Easton, Pa.</i>
Moore, John Francis, Jr.	<i>Astoria, N. Y.</i>
Morano, Anthony Albert	<i>Greenwich, Conn.</i>
Morgan, George Sumner Barton	<i>Amherst, Mass.</i>
Morgan, Roger Phillip	<i>Cromwell, Conn.</i>
Morway, Lawrence Emerson	<i>Delmar, N. Y.</i>
Moses, Abe Joseph	<i>Springfield, Mass.</i>
Moses, Horace Chester, III	<i>Winnetka, Ill.</i>
Moulton, Hugh Geoffrey	<i>Wellesley Hills, Mass.</i>
Muskat, Michael Spencer	<i>Newtown, Pa.</i>
Nash, Clyde Lester, Jr.	<i>Shaker Heights, Ohio</i>
Noble, Holcomb Ballou	<i>East Hartford, Conn.</i>
Norden, William Simon	<i>Brooklyn, N. Y.</i>
Oestermeyer, Carl Frederick	<i>Shaker Heights, Ohio</i>
Ormsby, David George	<i>Waterford, N. Y.</i>
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Palmer, Robert Noble, Jr.	<i>Great Neck, N. Y.</i>
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Penfield, Paul Livingstone, Jr.	<i>Birmingham, Mich.</i>

Perry, Gordon Bangs	<i>Dedham, Mass.</i>
Peverill, Jack Arthur	<i>Des Moines, Iowa</i>
Pfaelzer, Ellard Louis, Jr.	<i>Chicago, Ill.</i>
Phelps, Edmund Strother, Jr.	<i>Hastings-on-Hudson, N. Y.</i>
Phillips, George Jackson, Jr.	<i>Baltimore, Md.</i>
Pierre, André Jules Marie	<i>New York, N. Y.</i>
Pimlott, Charles Herman, Jr.	<i>Shaker Heights, Ohio</i>
Plotkin, Gerald Rodman	<i>Newton Centre, Mass.</i>
Plough, Ronald Curtis	<i>Palo Alto, Calif.</i>
Pope, Frederick Seth	<i>Hyde Park, Mass.</i>
Pray, Monroe, Jr.	<i>Highland Park, N. J.</i>
Pydych, Charles Paul	<i>Longmeadow, Mass.</i>
Rabinowitz, Ivan James	<i>Stamford, Conn.</i>
Raegner, Louis Christian, III	<i>Ossining, N. Y.</i>
Rainey, Francis Barto, III	<i>Canton Center, Conn.</i>
Reed, Robert Tyler	<i>Kansas City, Mo.</i>
Rees, William Wendell	<i>Albany, N. Y.</i>
Resch, John Tyler	<i>New Rochelle, N. Y.</i>
Riggs, Robert McCutchan	<i>Bronxville, N. Y.</i>
Robbins, Michael Daniel	<i>Teaneck, N. J.</i>
Robins, Irwin Brody	<i>New York, N. Y.</i>
Rogers, Charles Robertson, II	<i>Princeton, N. J.</i>
Rose, William Elliott	<i>Wynnewood, Pa.</i>
Rosenberg, Arthur Henry	<i>Ventnor, N. J.</i>
Ruegg, Edward Lavino	<i>Philadelphia, Pa.</i>
Runser, Frank Burkart, Jr.	<i>East Orange, N. J.</i>
Ryder, Richard Edward, Jr.	<i>West Hartford, Conn.</i>
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Salisbury, John William, Jr.	<i>Narberth, Pa.</i>
Sanders, Timothy	<i>Great Neck, N. Y.</i>
Schapiro, Stephen Albert	<i>New York, N. Y.</i>
Schellenger, Edward Markley, Jr.	<i>Berwyn, Pa.</i>
Schick, Harold Godfrey Jacob, Jr.	<i>Highland Park, Ill.</i>
Schultz, Roger Anthony	<i>Flushing, N. Y.</i>
Schumacher, James Wesley	<i>Wyncote, Pa.</i>
Scott, Peter Wells	<i>La Grange, Ill.</i>
Seasholes, Bradbury	<i>Dayton, Ohio</i>
Seasholes, Ernest Ban Benschoten	<i>Shaker Heights, Ohio</i>
Seward, Halvor Richardson, Jr.	<i>Newton Centre, Mass.</i>
Shaw, Robert Stuart	<i>New Rochelle, N. Y.</i>
Shillington, John Joseph, Jr.	<i>Webster Groves, Mo.</i>
Simpson, Jan Winn	<i>Galesburg, Ill.</i>
Slavin, Richard Paul	<i>New Rochelle, N. Y.</i>

Smith, Richard Ellis  
Smyth, William Paul  
Soltz, Robert Louis  
Sorenson, Ralph Zellar, Jr.  
Sowersby, Robert Philip  
Spear, John Ashcroft, Jr.  
Spencer, Robert Whittlesey  
Starodoj, Thomas Stanley, Jr.  
Steinhauer, Bruce William  
Stephenson, George Edward, Jr.  
Stewart, Donald Nelson  
Stern, Carl William  
Stone, James Rae  
Stone, John Timothy, Jr.  
Strand, Richard Edward  
Swinchatt, Peter Francis Ellis  
Tank, Deane Henry  
Tapley, John Canfield, Jr.  
Tonidandel, Ronald Louis  
Traub, Russell Goodrich  
Tudhope, James Brockett, Jr.  
Tulchin, Herbert Jacob  
Turner, Clyde Robin  
Twardowski, Richard Victor  
Underwood, Charles Brown  
Uricchio, Joseph Vincent, Jr.  
Vance, William Abel  
Van Jones, Lee Thomas  
Wanger, Eugene Gilkison  
Warren, William Ezra  
Weinman, David Nelson  
Whitney, Robert Byron, Jr.  
Wilson, Thomas Adams  
Wise, Anthony John, III  
Wolff, L. Carl  
Woodburn, James Milton  
Wright, Richard Warner  
Wykoff, Peter Claesen  
Wykoff, Thomas William  
Wyn, Ronald Eric  
Yarnall, Stephen Robbins  
Young, Robert Berryhill  
Zimmerman, Robert Harris

*New York, N. Y.*  
*Chatham, N. Y.*  
*Shaker Heights, Ohio*  
*Mansfield, Ohio*  
*Kenilworth, Ill.*  
*Farmington, Conn.*  
*Newton, N. J.*  
*Ware, Mass.*  
*Toledo, Ohio*  
*Braintree, Mass.*  
*Wynnewood, Pa.*  
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*Baltimore, Md.*  
*Fort Pierce, Fla.*  
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*Williamsville, N. Y.*  
*Rye, N. Y.*  
*Shaker Heights, Ohio*  
*Shaker Heights, Ohio*  
*Larchmont, N. Y.*  
*Birmingham, Mich.*  
*Summit, N. J.*  
*Pottsville, Pa.*

Students Not Enrolled as Candidates for a Degree

Berry, Marion Elizabeth	<i>Amherst, Mass.</i>
Grayson, Margaret Ann	<i>Norwalk, Conn.</i>
McCurdy, Joan Elizabeth	<i>Amherst, Mass.</i>
Puckett, Bruce E.	<i>Douglaston, N. Y.</i>
Soderberg, Barbara Arlene	<i>Amherst, Mass.</i>

SUMMARY OF ENROLLMENT

Fellows . . . . .	21
Graduate Students . . . . .	12
Seniors . . . . .	254
Juniors . . . . .	238
Sophomores . . . . .	256
Freshmen . . . . .	299
Students Not Enrolled as Candidates for a Degree . . . . .	5
Total . . . . .	1085

CLASSIFICATION OF UNDERGRADUATES  
BY RESIDENCE

New York . . . . .	312	Georgia . . . . .	3
Massachusetts . . . . .	164	Indiana . . . . .	3
Pennsylvania . . . . .	100	Iowa . . . . .	3
New Jersey . . . . .	88	Oregon . . . . .	3
Connecticut . . . . .	61	Wisconsin . . . . .	3
Ohio . . . . .	61	North Carolina . . . . .	2
Illinois . . . . .	55	Oklahoma . . . . .	2
Michigan . . . . .	24	Virginia . . . . .	2
Missouri . . . . .	24	Alabama . . . . .	1
Minnesota . . . . .	18	Arizona . . . . .	1
Maryland . . . . .	14	Delaware . . . . .	1
Maine . . . . .	13	Kansas . . . . .	1
District of Columbia . . . . .	12	Kentucky . . . . .	1
California . . . . .	11	New Mexico . . . . .	1
New Hampshire . . . . .	9	Utah . . . . .	1
Rhode Island . . . . .	9	West Virginia . . . . .	1
Vermont . . . . .	7	France . . . . .	3
Texas . . . . .	6	Germany . . . . .	3
Washington . . . . .	5	Japan . . . . .	2
Florida . . . . .	4	Argentina . . . . .	1
Colorado . . . . .	3	British West Africa . . . . .	1

## ENROLLMENT

169

Canada . . . . .	1	Philippines . . . . .	1
Canal Zone . . . . .	1	Puerto Rico . . . . .	1
China . . . . .	1	Venezuela . . . . .	1
Ethiopia . . . . .	1		<hr/>
Hawaii . . . . .	1	Total . . . . .	1047





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V

*The Alumni Associations*

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# Alumni Associations

## THE SOCIETY OF THE ALUMNI

(Annual Meeting in Commencement Week)

<i>Honorary President:</i>	Kendall Emerson, '97
<i>President:</i>	Claude M. Fuess, '05
<i>Vice Presidents:</i>	John H. Hubbard, '07 Howard F. Burns, '12 Robert Munroe, III, '17 Elias K. Davis, '22 James P. Wilson, '27
<i>Secretary-Treasurer:</i>	J. Alfred Guest, '33
<i>Nominating Committee:</i>	Edmund Brown, '12, <i>Chairman</i> Robert B. Cumming, '07 Jesse Fillman, '27 Howard O. Colgan, '32 Daniel C. Minnick, '37
<i>Inspectors of Election:</i>	Miner W. Tuttle, '13 Roy R. Blair, '18 H. Hills Skillings, '38
<i>Committee to Nominate Alumni Trustees:</i>	Loomis Patrick, '27, <i>Chairman</i> Richard G. Dick, '12 Allen Davidson, '22 C. Bartlett Eddy, '32 H. Stuart Hughes, '37

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*Secretary:* J. ALFRED GUEST, '33

*Executive Committee:*

OLIVER B. MERRILL, '25, *Chairman*

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F. MARSENA BUTTS, '09	ROBERT W. WILSON, '30
WINTHROP H. SMITH, '16	CHARLES R. DENNY, '33

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1890	WILLIAM M. WELDON	1922	STUART C. FRAZIER
1891	GEORGE L. LEONARD	1923	JOHN D. JILLSON
1892	ALLAN P. BALL	1924	FRANK E. BUTTON
1893	EDWARD S. HAWES	1926	WALTER S. BENEDICT
1894	GEORGE F. FISKE	1927	KENNETH P. HIGGINS
1895	FREDERICK H. LAW	1928	WILLS T. ENGLE
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1899	WILLIAM J. NEWLIN	1932	WILLIAM H. RAYE, JR.
1900	THEODORE E. RAMSDELL	1933	ALBERT D. SPICER
1901	HARRY W. GLADWIN	1934	SANFORD KEEDY
1902	FREDERICK B. CROSS	1935	JOHN C. BOYDEN
1903	GEORGE N. PATRICK	1936	HORACE W. HEWLETT
1904	CHESTER A. PORTER	1937	JAMES P. WILKERSON
1905	JAMES L. GILBERT	1938	HARRY F. JONES, JR.
1906	MARK H. WARD	1939	MALCOLM STEARNS, JR.
1907	ROSWELL G. BILLINGS	1940	LOUIS F. EATON
1908	GEORGE BURNS	1941	GEORGE M. WALLER
1909	CHARLES U. HATCH	1942	H. ALEXANDER McDONALD, JR.
1910	GEORGE F. WHICHER	1943	ROBERT C. McADOO
1911	CLAYTON B. JONES	1944	JOHN B. BECKWITH
1912	C. FRANCIS BEATTY	1945	THOMAS P. GREENMAN
1913	JOHN H. MITCHELL	1946	GEORGE E. BUSHNELL, JR.
1914	CHARLES W. WILLIAMS	1947	ANTHONY J. MATUSZKO
1915	WILLIAM WHITING	1948	WALLACE RUBIN
1916	CHARLES B. PECK	1949	KIRK MUNROE
1917	CHARLES J. JESSUP	1950	JOHN C. ESTY, JR.
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24 Zeniyama-cho, Shibuya-ku, Tokio

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*Index*

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# Index

- Administration
  - Attendance 29
  - Health 30
  - Occupational guidance 31
  - Records and reports 30
  - Rooms and board 30
  - Student discipline 29
  - Terms and vacations 29
- Admission 25
  - Application for 25
  - Cooperative M. I. T. program 27
  - Examinations 26
  - From other colleges 27
  - Interview hours 25
  - Regents examinations 27
- Air science and tactics 45
- Alumni Associations 171
  - Eastern and southern 176
  - Central and far western 177
- Alumni Council 173
  - Association representatives 175
  - Class representatives 174
  - Members at large 175
- American Studies 46
- Amherst—A Liberal College 19
- Amherst College Library 16
- Amherst curriculum 40
- Amherst, residents of 36
- Application fee 33
- Associate 13
- Astronomy 49
- Attendance 29
- Bachelor of Arts 37
- Beneficiary aid 35
- Bills, payment of 33
- Biology 50
- Board 30
- Bond Fifteen 118
- Calendar 4
- Chemistry 53
- Classics 55
- College Board tests 26
- College calendar 5
- Committees of the corporation 8
- Committees of the faculty 13
- Comprehensive fee 33
- Contents 3
- Cooperative M.I.T. program 27
- Corporation of the College 7
- Course descriptions 43
  - Air science and tactics 45
  - American Studies 46
  - Astronomy 49
  - Biology 50
  - Chemistry 53
  - Cryptography 58
  - Classics 55
  - Dramatic Arts 58
  - Economics 60
  - Education 63
  - English 64
  - Fine Arts 67
  - French 69
  - Geology 73
  - German 76
  - Greek 56
  - History 79
  - Humanities 84
  - Italian 85
  - Latin 57
  - Legal Studies 85
  - Mathematics 87
  - Music 88
  - Philosophy 91
  - Physical Education 95
  - Physics 95
  - Political Science 98

- Psychology 101
- Public Speaking 104
- Religion 105
- Science 107
- Spanish 109
- Curriculum, the Amherst 40
- Degree fee 34
- Degrees 37
  - Bachelor of Arts 37
  - Conferred, 1951, 135
  - Honorary 140
  - Master of Arts 37
  - With honors 39
- Discipline 29
- Dormitory rooms 30
- Dramatic Arts 58
- Economics 60
- Education 63
- English 64
- Enrollment 141
  - Summary of 169
- Expenses 33
- Faculty 10
- Faculty committees 13
- Fees 33
- Fellows 14
- Fellowships 113
- Fine Arts 67
- Folger Shakespeare Library 21
  - Officers 22
- French 66
- General information 23
- Geology 73
- German 76
- Greek 56
- Guarantee deposit 33
- Health 30
- Health fee 33
- History 79
- Hitchcock Memorial Room 16
- Honorary degrees 140
- Honors 116
  - Bond Fifteen 118
  - Degree with 39
  - Phi Beta Kappa 116
  - Sigma Xi 117
- Humanities 81
- Instruction, courses of 43
- Intercollegiate athletics fee 33
- Italian 85
- Kirby Memorial Theatre 17
- Language requirements 38
- Latin 57
- Lectureships 115
- Legal Studies 85
- Loan funds 36
- M.I.T. cooperative program 27
- Master of Arts 37
- Mathematics 87
- Medal for Eminent Service 140
- Medical care 30
- Museum of Fine Arts 17
- Music 88
- Occupational guidance 31
- Officers of administration 9
- Payment of bills 33
- Phi Beta Kappa 116
- Philosophy 91
- Physical Education 95
- Physics 95
- Political Science 98
- Pratt Geology Museum 16
- Presidents of Amherst 20
- Prizes and awards 124
  - Admission 127



- Art 124
- Astronomy 128
- Biology 124
- Chemistry 124
- Citizenship 130
- Dramatics 125
- Economics 125
- English 125
- Geology 124
- Greek 126
- Journalism 127
- Latin 127
- Mathematics 128
- Medicine 124
- Miscellaneous 132
- Philosophy 128
- Physical Education 129
- Physics 128
- Political Science 129
- Public Speaking 129
- Religion 128
- Scholarship 130
- Psychology 101
- Public Speaking 104
- Records and reports 30
- Regents examinations 27
- Religion 105
- Requirements for degrees 37
- Residents of Amherst 36
- Rooms 30
- ROTC, U. S. Air Force 41
- Scholarships 35
- Scholarship funds 35
- Scholarship prizes 126
- Science 107
- Sigma Xi 117
- Snell Museum of Physics 16
- Society of the Alumni 173
- Spanish 109
- Student activities tax 34
- Student discipline 29
- Student loan funds 36
- Summary of enrollment 168
- Summary of expenses 34
- Terms and vacations 29
- Transfer students 27
- Trustees 7
- Tuition and fees 33
  - Residents of Amherst 36
- U. S. Air Force ROTC 41
- Vacations 5, 29



# AMHERST COLLEGE

SEPTEMBER 1951.

0 300 600 900 1200  
SCALE IN FEET

## INDEX TO CAMPUS BUILDINGS

NO. 1	THE PRESIDENT'S HOUSE
2	MORGAN HALL
3	COLLEGE HALL
4	CONVERSE LIBRARY
5	PRATT HALL
6	WALKER HALL
7	MORROW HALL
8	MOORE LABORATORY OF CHEMISTRY
9	FAYERWEATHER LABORATORY OF PHYSICS
10	COLLEGE GARAGE
11	SERVICE BUILDING
12	CENTRAL HEATING PLANT
13	BARRETT HALL
14	MEAD ART BUILDING
15	PRATT MUSEUM
16	BIOLOGY LABORATORY
17	DAVENPORT SQUASH COURTS
18	HAROLD I. PRATT POOL
19	INDOOR ATHLETIC FIELD
20	ALUMNI GYMNASIUM
21	APPLETON HALL
22	SOUTH COLLEGE
23	JOHNSON CHAPEL
24	NORTH COLLEGE
25	WILLISTON HALL
26	OCTAGON
27	LITTLE RED SCHOOLHOUSE
28	INFIRMARY
29	KIRBY THEATER
30	HILLS STORE HOUSE
31	GROSVENOR HOUSE
32	VALENTINE HALL
33	
34	PRATT FIELD HOUSE
35	VISITOR'S HOUSE
36	OBSERVATORY
37	FACULTY CLUB
38	JAMES HALL
39	STEARNS HALL
40	WAR MEMORIAL

## FRATERNITIES

F-1	THETA DELTA CHI
F-2	PHI DELTA THETA
F-3	CHI PSI
F-4	PSI UPSILON
F-5	ALPHA DELTA PHI
F-6	DELTA KAPPA EPSILON
F-7	KAPPA THETA
F-8	PHI GAMMA DELTA
F-9	PHI ALPHA PSI
F-10	CHI PHI
F-11	BETA THETA PI
F-12	DELTA UPSILON
F-13	THETA XI
F-14	LORD JEFF CLUB

